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ANNOUNCEMENT
OF THE
MEDICAL SCHOOL
LONGWOOD AVENUE, BOSTON, MASS.

OF
HARVARD UNIVERSITY

FOR
1907-08

SECOND EDITION



CAMBRIDGE
Published by the University
1907

1907.							1908.													
JULY.							JANUARY.							JULY.						
Su	Mo	Tu	W	Th	Fr	Sa	Su	Mo	Tu	W	Th	Fr	Sa	Su	Mo	Tu	W	Th	Fr	Sa
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14	15	16	17	18	19	20	12	13	14	15	16	17	18	12	13	14	15	16	17	18
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DECEMBER.							JUNE.							DECEMBER.						
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MEDICAL SCHOOL CALENDAR.

1907.

- Sept. 19, Thursday.* Examinations begin for applicants for advanced standing, and for men previously conditioned.
- Sept. 25, Wednesday.* Examination in Chemistry for admission.
- Sept. 26, Thursday.* **Academic Year begins.** Registration of Students. Payment of the first instalment of the tuition-fee is required on or before this date.
- Oct. 1, Tuesday.* Last day for receiving applications for the Bullard Fellowships.
- Nov. 1, Friday.* Last day for receiving essays for the William H. Thorndike Prize.
- Nov. 28, Thursday.* Thanksgiving Day: a holiday.
- Nov. 30, Saturday.* Last day for receiving applications for the Cheever and Hayden Scholarships.

RECESS FROM DEC. 23, 1907, TO JAN. 2, 1908, INCLUSIVE.

1908.

- Jan. 1, Wednesday.* Last day for receiving dissertations for the Boylston Medical Prizes.
- Jan. 15, Wednesday.* Last day for receiving applications from students in the Professional Schools to be qualified for the degree of A.M. in 1908.
- Jan. 30, Thursday.* Mid-year Examinations begin.
- Jan. 31, Friday.* Payment of the second instalment of the tuition-fee is required on or before this date.
- Feb. 1, Saturday.* **Second half-year begins.**
- Feb. 22, Saturday.* Washington's Birthday: a holiday.
- April 1, Wednesday.* Last day for receiving dissertations for the Bowdoin Prizes.

RECESS FROM APRIL 19 TO APRIL 25, INCLUSIVE.

- May 1, Friday.* Last day for receiving dissertations for the Dante, Toppan. and Sumner Prizes.
- May 1, Friday.* Last day for receiving applications of candidates for the degree of M.D. in 1908.
- May 30, Saturday.* Memorial Day: a holiday.
- June 1, Monday.* Last day for receiving applications for Scholarships for 1908-09 (except the Cheever and Hayden Scholarships)..
- June 1, Monday.* Examinations begin.
- June 24, Wednesday.* Commencement.

SUMMER VACATION OF FOURTEEN WEEKS, FROM COMMENCEMENT TO SEPTEMBER 30. INCLUSIVE.

- June 25, Thursday.* Examination in Chemistry for admission.
- Sept. 24, Thursday.* Examinations begin for applicants for advanced standing, and for men previously conditioned.
- Sept. 30, Wednesday.* Examination in Chemistry for admission.
- Oct. 1, Thursday.* **Academic Year begins.** Registration of Students. Payment of the first instalment of the tuition-fee is required on or before this date.
- Oct. 1, Thursday.* Last day for receiving applications for the Bullard Fellowships.
- Oct. 31, Saturday.* Last day for receiving essays for the William H. Thorndike Prize.
- Nov. 26, Thursday.* Thanksgiving Day: a holiday.
- Nov. 30, Monday.* Last day for receiving applications for the Cheever and Hayden Scholarships.

THE MEDICAL SCHOOL.

FACULTY OF MEDICINE.*

CHARLES W. ELIOT, A.M., LL.D., PRESIDENT.

———, DEAN.

CLARENCE J. BLAKE, M.D., *Walter Augustus Lecompte Professor of Otology.*

REGINALD H. FITZ, M.D., LL.D., *Hersey Professor of the Theory and Practice of Physic.*

THOMAS DWIGHT, M.D., LL.D., *Parkman Professor of Anatomy.*
JOHN H. MCCOLLOM, M.D., *Assistant Professor of Contagious Diseases.*

ABNER POST, M.D., *Assistant Professor of Syphilis.*

JAMES J. PUTNAM, M.D., *Professor of Diseases of the Nervous System.*

ELBRIDGE G. CUTLER, M.D., *Instructor in the Theory and Practice of Physic.*

FREDERICK C. SHATTUCK, M.D., *Jackson Professor of Clinical Medicine.*

EDWARD H. BRADFORD, M.D., *Professor of Orthopedic Surgery.*

CHARLES A. BRACKETT, D.M.D., *Professor of Dental Pathology.*

THOMAS MORGAN ROTCH, M.D., *Professor of Pediatrics.*

EUGENE H. SMITH, D.M.D., *Professor of Mechanical Dentistry and Orthodontia, and Dean of the Dental School.*

WILLIAM F. WHITNEY, M.D., *John Barnard Swett Jackson Curator of the Warren Anatomical Museum.*

CHARLES S. MINOT, S.D., LL.D., D.Sc., *James Stillman Professor of Comparative Anatomy.*

MAURICE H. RICHARDSON, M.D., *Moseley Professor of Surgery.*

CHARLES M. GREEN, M.D., *Professor of Obstetrics, and Secretary of the Faculty of Medicine.*

EDWARD C. BRIGGS, M.D., D.M.D., *Professor of Dental Materia Medica and Therapeutics.*

HERBERT L. BURRELL, M.D., *Professor of Clinical Surgery.*

WILLIAM T. COUNCILMAN, M.D., LL.D., *Shattuck Professor of Pathological Anatomy.*

MYLES STANDISH, M.D., *Assistant Professor of Ophthalmology.*

HAROLD C. ERNST, M.D., *Professor of Bacteriology.*

CHARLES HARRINGTON, M.D., *Professor of Hygiene.*

PHILIP COOMBS KNAPP, M.D., *Clinical Instructor in Diseases of the Nervous System.*

WILLIAM H. POTTER, D.M.D., *Professor of Operative Dentistry.*

HERMAN F. VICKERY, M.D., *Instructor in Clinical Medicine.*

JOHN T. BOWEN, M.D., *Edward Wigglesworth Professor of Dermatology.*

* Arranged, with the exception of the President and Dean, on the basis of collegiate seniority.

HENRY JACKSON, M.D., *Instructor in Clinical Medicine.*

GEORGE G. SEARS, M.D., *Assistant Professor of Clinical Medicine.*

ALGERNON COOLIDGE, JR., M.D., *Assistant Professor of Laryngology.*

FRANZ PFAFF, M.D., *Professor of Pharmacology and Therapeutics.*

THEOBALD SMITH, M.D., *George Fabyan Professor of Comparative Pathology.*

WILLIAM T. PORTER, M.D., *Professor of Comparative Physiology.*

JAMES G. MUMFORD, M.D., *Instructor in Surgery.*

FRANK B. MALLORY, M.D., *Associate Professor of Pathology.*

EDWARD H. NICHOLS, M.D., *Assistant Professor of Surgical Pathology.*

JOHN B. BLAKE, M.D., *Instructor in Surgery.*

HOWARD A. LOTHROP, M.D., *Instructor in Surgery.*

JOHN L. MORSE, M.D., *Assistant Professor of Pediatrics.*

CHARLES A. PORTER, M.D., *Instructor in Surgery.*

EDWARD W. TAYLOR, M.D., *Instructor in Neurology.*

RICHARD C. CABOT, M.D., *Instructor in Clinical Medicine.*

ELLIOTT P. JOSLIN, M.D., *Instructor in the Theory and Practice of Physic.*

JAMES H. WRIGHT, M.D., S.D., *Assistant Professor of Pathology.*

OTTO FOLIN, PH.D., *Associate Professor of Biological Chemistry.*

ROBERT B. GREENOUGH, M.D., *Instructor in Surgery.*

HENRY A. CHRISTIAN, M.D., *Assistant Professor of the Theory and Practice of Physic.*

CARL L. ALSBERG, M.D., *Instructor in Biological Chemistry.*

JOHN L. BREMER, M.D., *Demonstrator of Histology.*

WALTER B. CANNON, M.D., *George Higginson Professor of Physiology.*

JOHN WARREN, M.D., *Demonstrator of Anatomy.*

FREDERIC T. LEWIS, M.D., *Assistant Professor of Embryology.*

ELMER E. SOUTHARD, M.D., *Assistant Professor of Neuropathology.*

STANDING COMMITTEES FOR THE MEDICAL SCHOOL.

Buildings.—Dr. J. Warren (*Chairman*), and Drs. Bremer and Cannon.
Course of Study.—Dr. Fitz (*Chairman*), and Drs. ———, Shattuck, Minot, Burrell, Mallory, and Cannon.

Nominations.—Dr. Bradford (*Chairman*), and Drs. Ernst, Harrington, Bowen, and Jackson.

Graduate and Summer Courses.—Dr. Mallory (*Chairman*), and Drs. Green, Morse, Cabot, Joslin, Greenough, and J. Warren.

Library.—Dr. Joslin (*Chairman*), and Drs. Minot, Harrington, Mallory, and Alsberg.

Admission.—Dr. ——— (*Chairman*), and Drs. Green and Mallory.

Students' Health.—Dr. Ernst (*Chairman*), and Drs. Putnam, E. H. Smith, J. B. Blake, and Badger.

THE HARVARD MEDICAL SCHOOL.

BOSTON.

GENERAL STATEMENT.

Three professorships of Medicine were established at the University in the years 1782 and 1783. The first degrees in Medicine were conferred in 1788. Before 1811, the degree conferred upon graduates of the School was that of BACHELOR OF MEDICINE; beginning with 1811, the degree has been DOCTOR OF MEDICINE. In 1810, the lectures given in Medicine were transferred from Cambridge to Boston, where the first MEDICAL COLLEGE was built in 1815.

The course of study required in this School for the degree of M.D. is of four years' duration. This requirement was established at the beginning of the year 1892-93.

The academic year begins on the Thursday following the last Wednesday in September, and ends on the last Wednesday in June. In order that the time of study shall count as a full year, students of all classes must present themselves on the first day of the school year and register their names with the Secretary.

There is a Christmas recess from December 23 to January 2 inclusive, and a recess of one week's duration in April.

Beginning with the year 1899-1900 a new arrangement of the subjects taught in the first two years was adopted. During the first half of the first year the students devote their time solely to Anatomy and Histology, and during the second half of the first year to Physiology and Biological Chemistry. They devote the first half of the second year to Pathology and Bacteriology, and the remainder of the second year to a variety of subjects which more particularly prepare the student for the clinical work of the third and fourth years.

Experience has shown that this logical arrangement of the subjects of the first two years enables a student to concentrate his energies to a much greater advantage than he can when his attention is divided among several subjects. Each correlated group presents sufficient variety to avoid monotony. Another advantage of this method is that it greatly increases the amount of time which can be devoted to each subject.

In 1902 certain other changes in the curriculum were adopted, to take effect with the class entering in the autumn of that year. The new course

of study is so arranged that the first three years are devoted to prescribed work, and the fourth year entirely to elective courses. A minimum of one thousand hours' work is required of each fourth year student; and courses are offered adapted to the student who wishes to fit himself to be a general practitioner, and also suitable courses for those who intend to become specialists or teachers in any department of medicine. The new elective curriculum of the fourth year began in the autumn of 1905.

A series of written, oral, and practical examinations on all the required subjects of medical instruction are distributed throughout the four years' course of study. Every candidate for the degree of Doctor of Medicine must pass these examinations in a satisfactory manner, and also fulfil all the other requirements enumerated on page 56.

The degree of Doctor of Medicine *cum laude* is given to candidates who obtain an average of 80 per cent. or over in all the required examinations.

Beginning in 1906, special students, not candidates for the degree of Doctor of Medicine, will be admitted, under certain conditions, to all courses in the School and to certain courses specially designed for them. For particulars, see page 68.

Pamphlets descriptive of the many courses of study for Graduates, and of the Summer Courses, may be obtained on application.

Inquiries may be addressed to the Secretary of the Harvard Medical School, Longwood Avenue, Boston, Mass.

The New Buildings.

In September, 1906, the Medical School removed from its quarters on Boylston Street to commodious new buildings on Longwood Avenue, distant about a mile from the old building. At the new site the School possesses twenty-six acres of land. Eleven acres are now occupied by the Medical School buildings; the other fifteen are reserved for hospitals which, it is hoped, will be built on this ground in the near future.

The new buildings are five in number: one is designed for administrative and four for laboratory purposes. The administration building contains the necessary offices, several lecture rooms, and the Warren Anatomical Museum. The laboratory buildings provide extensive accommodations for various departments grouped in the buildings as follows:—(1) anatomy, comparative anatomy, histology, and embryology; (2) physiology, comparative physiology, and biological chemistry; (3) pathology, bacteriology, neuropathology, and surgical pathology; (4) hygiene, pharmacology, comparative pathology, and surgical research.

The laboratory buildings are all constructed on one general plan, — two parallel wings united by an amphitheatre. Above each amphitheatre is a large departmental library. The rooms in the various wings have been

designed on a unit system, which will greatly simplify any changes required by future growth or by uses other than those for which the rooms were originally designed. These buildings will provide an equipment for teaching and research in various branches of medical science which as a whole is probably unequalled.

For the construction and endowment of these new buildings the School is indebted to the generosity of Mrs. Collis P. Huntington, Messrs. J. Pierpont Morgan, John D. Rockefeller, David Sears, and a number of other benefactors.

ADMINISTRATIVE BOARD.

———, DEAN.

FREDERICK C. SHATTUCK, M.D., *Professor of Clinical Medicine.*

WILLIAM F. WHITNEY, M.D., *Curator of the Anatomical Museum.*

CHARLES M. GREEN, M.D., SECRETARY, and *Professor of Obstetrics.*

CHARLES HARRINGTON, M.D., *Professor of Hygiene.*

JOHN T. BOWEN, M.D., *Professor of Dermatology.*

HENRY JACKSON, M.D., *Instructor in Clinical Medicine.*

FRANK B. MALLORY, M.D., *Associate Professor of Pathology.*

WALTER B. CANNON, M.D., *Professor of Physiology.*

JOHN WARREN, M.D., *Demonstrator of Anatomy.*

OFFICE HOURS OF THE DEAN, MONDAY AND THURSDAY, 4 TO 5 P.M.;
OF THE SECRETARY, WEDNESDAY AND FRIDAY, 5 TO 6 P.M.

STANDING COMMITTEES.

Advertising and Catalogue. — Dr. Green (*Chairman*), and Drs. Mallory and Cannon.

Warren Museum. — ——— (*Chairman*), and Drs. Whitney and Mallory.

Fellowships. — Dr. Shattuck (*Chairman*), and Drs. ——— Whitney, Harrington, and Mallory.

Scholarships and Students' Aid. — ——— (*Chairman*), and Drs. Green and Cannon.

INSTRUCTORS, LECTURERS, AND ASSISTANTS.*

EDWARD COWLES, M.D., LL.D., *Instructor in Mental Diseases.*

SAMUEL H. DURGIN, M.D., *Lecturer on Hygiene.*

GEORGE W. GAY, M.D., *Lecturer on Surgery.*

GEORGE T. TUTTLE, M.D., *Clinical Instructor in Mental Diseases.*

SAMUEL J. MIXTER, M.D., *Lecturer on Surgery.*

* Arranged on the basis of collegiate seniority.

- GEORGE H. MONKS, M.D., M.R.C.S., *Lecturer on Surgery.*
FRANCIS S. WATSON, M.D., *Lecturer on Genito-Urinary Surgery.*
FRANCIS B. HARRINGTON, M.D., *Lecturer on Surgery.*
ROBERT W. LOVETT, M.D., *Instructor in Orthopedics.*
WILLIAM NOYES, M.D., *Clinical Instructor in Mental Diseases.*
J. PAYSON CLARK, M.D., *Assistant in Laryngology.*
CHARLES L. SCUDDER, M.D., *Lecturer on Surgery.*
ELLIOTT G. BRACKETT, M.D., *Instructor in Orthopedics.*
ARTHUR K. STONE, M.D., *Assistant in the Theory and Practice of Physic.*
FREDERIC C. COBB, M.D., *Instructor in Laryngology.*
EDWIN E. JACK, M.D., *Instructor in Ophthalmology.*
AUGUSTUS THORNDIKE, M.D., *Assistant in Orthopedics.*
PAUL THORNDIKE, M.D., *Instructor in Genito-Urinary Surgery.*
GEORGE A. CRAIGIN, M.D., *Clinical Instructor in Pediatrics.*
JOEL E. GOLDTHWAIT, M.D., *Instructor in Orthopedics.*
MALCOLM STORER, M.D., *Assistant in Gynaecology.*
LANGDON FROTHINGHAM, M.D.V., *Instructor in Bacteriology.*
JOHN W. BARTOL, M.D., *Assistant in Clinical Medicine.*
WILLIAM E. FAULKNER, M.D., *Assistant in Surgery.*
ELISHA FLAGG, M.D., *Assistant in Anatomy.*
JAMES M. JACKSON, M.D., *Assistant in Clinical Medicine.*
ALEXANDER QUACKENBOSS, M.D., *Instructor in Ophthalmology.*
EUGENE A. CROCKETT, M.D., *Instructor in Otology.*
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HARVEY P. TOWLE, M.D., *Assistant in Dermatology.*
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JAMES S. STONE, M.D., *Assistant in Surgery.*
ROCKWELL A. COFFIN, M.D., *Assistant in Laryngology.*
PHILIP HAMMOND, M.D., *Instructor in Otology.*
HENRY H. HASKELL, M.D., *Assistant in Ophthalmology.*
HENRY F. HEWES, M.D., *Instructor in the Clinical Laboratory.*
CALVIN G. PAGE, M.D., *Assistant in Bacteriology.*
C. MORTON SMITH, M.D., *Assistant in Syphilis.*
CHARLES J. WHITE, M.D., *Instructor in Dermatology.*
FRANKLIN W. WHITE, M.D., *Assistant in Clinical Medicine.*
OTIS F. BLACK, A.M., *Assistant in Biological Chemistry.*
ERNEST A. CODMAN, M.D., *Assistant in Surgery.*
WILLIAM P. GRAVES, M.D., *Assistant in Gynaecology.*
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JOSHUA C. HUBBARD, M.D., *Assistant in Surgery.*

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HARRIS P. MOSHER, M.D., *Assistant in Anatomy, in Laryngology, and in Otology.*

FRANKLIN S. NEWELL, M.D., *Instructor in Obstetrics and Gynaecology.*

HENRY J. PERRY, M.D., *Assistant in Bacteriology.*

WILLIAM H. SMITH, M.D., *Assistant in Clinical Medicine.*

ARTHUR M. WORTHINGTON, M.D., *Assistant in Bacteriology.*

ERNEST B. YOUNG, M.D., *Assistant in Gynaecology.*

CHARLES S. BUTLER, M.D., *Assistant in Anatomy.*

HENRY O. MARCY, JR., M.D., *Assistant in Anatomy.*

FRED M. SPALDING, M.D., *Assistant in Ophthalmology.*

HOWARD T. SWAIN, M.D., *Assistant in Obstetrics.*

FREDERICK S. BURNS, M.D., *Assistant in Dermatology.*

LE ROI G. CRANDON, M.D., *Assistant in Surgery.*

EUGENE E. EVERETT, M.D., *Assistant in Bacteriology.*

WALTER C. HOWE, M.D., *Assistant in Surgery.*

MAYNARD LADD, M.D., *Instructor in Pediatrics.*

GEORGE B. MAGRATH, M.D., *Instructor in Legal Medicine, and Assistant in Hygiene.*

JOSEPH H. PRATT, M.D., *Assistant in the Theory and Practice of Physic.*

DAVID H. WALKER, M.D., *Assistant in Otology.*

LEO V. FRIEDMAN, M.D., *Assistant in Obstetrics.*

CHANNING C. SIMMONS, M.D., *Assistant in Surgery.*

WILDER TILESTON, M.D., *Assistant in Clinical Medicine.*

JAMES R. TORBERT, M.D., *Assistant in Obstetrics.*

GEORGE A. WATERMAN, M.D., *Assistant in Neurology.*

LEONARD W. WILLIAMS, PH.D., *Instructor in Comparative Anatomy.*

CHARLES H. DUNN, M.D., *Assistant in Pediatrics.*

EDWIN A. LOCKE, M.D., *Assistant in Clinical Medicine.*

LUTHER D. SHEPARD, JR., M.D., D.M.D., *Instructor in Histology.*

EDWARD N. TOBEY, M.D., *Assistant in Bacteriology.*

MAURICE V. TYRODE, M.D., *Instructor in Pharmacology.*

HERMAN M. ADLER, M.D., *Assistant in the Clinical Laboratory.*

DAVID CHEEVER, M.D., *Assistant in Anatomy.*

FREDERICK P. GAY, M.D., *Assistant in Pathology.*

FREDERICK T. LORD, M.D., *Assistant in Clinical Medicine.*

ERNEST G. MARTIN, PH.D., *Instructor in Physiology.*

DAVID D. SCANNELL, M.D., *Assistant in Anatomy.*

- ERNEST E. TYZZER, M.D., *Assistant in Pathology.*
HENRY I. BOWDITCH, M.D., *Assistant in Pediatrics.*
LAWRENCE J. HENDERSON, M.D., *Instructor in Biological Chemistry.*
FRANCIS W. PALFREY, M.D., *Assistant in the Theory and Practice of Physic.*
HENRY D. LLOYD, M.D., *Assistant in Materia Medica.*
WILLIAM B. ROBBINS, M.D., *Assistant in the Clinical Laboratory.*
S. BURT WOLBACH, M.D., *Instructor in Pathology.*
JAMES D. BARNEY, M.D., *Assistant in Anatomy.*
MARSHAL FABYAN, M.D., *Assistant in Comparative Pathology.*
THOMAS ORDWAY, M.D., *Assistant in Pathology.*
FRANCIS H. McCRUDDEN, S.B., *Assistant in Biological Chemistry.*
EDWARD B. MEIGS, M.D., *Instructor in Physiology.*
CHARLES L. OVERLANDER, M.D., *Assistant in the Clinical Laboratory.*
ROBERT M. GREEN, M.D., *Assistant in Surgery.*
ROGER I. LEE, M.D., *Assistant in the Theory and Practice of Physic.*
ALEXANDER R. ROBERTSON, M.D., C.M., *Assistant in Pathology.*
FREDERIC C. BLANCK, PH.D., *Research Assistant in Biological Chemistry.*
JOHN BRYANT, JR., M.D., *Assistant in Pathology and Neuro-pathology.*
ARIAL W. GEORGE, M.D., *Assistant in Anatomy.*
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AUSTIN TEACHING FELLOWS.

- CLEAVELAND FLOYD, M.D., *in Bacteriology.*
FRANK L. RICHARDSON, M.D., *in Surgery.*
PAUL A. LEWIS, M.D., *in Comparative Pathology.*
VICTOR E. EMMEL, S.M., PH.D., *in Histology and Embryology.*
RICHARD E. SCAMMON, A.M., *in Histology and Embryology.*

THE HARVARD MEDICAL SCHOOL.

ADMISSION OF STUDENTS.

Candidates for admission to this School must present a degree in Arts, Literature, Philosophy, or Science from a recognized college or scientific school, with the exception of such persons, of suitable age and attainments, as may be admitted by a special vote of the Administrative Board in each case.*

All candidates, whether presenting a degree or not, are required to satisfy the Faculty that they have had a course in Theoretical and Descriptive (Inorganic) Chemistry, Qualitative Analysis, and elementary Organic Chemistry sufficient to fit them to pursue the courses in Chemistry given at the Medical School; or, failing in this, to pass examinations in these subjects. Students who are unable to fulfil either of these requirements may enter conditioned in Chemistry; but they must make up the condition before the beginning of the second half-year.

The admission examination in Chemistry (at which time also the notebooks in Qualitative Analysis must be handed in) is held at the Medical School, Longwood Avenue, Boston, at 10 A.M., on the Thursday following the last Wednesday in June, and on the last Wednesday in September. The examination is conducted in writing.

Applicants for admission to the Medical School who have studied three years in recognized colleges, technical, or scientific schools, in which courses in Human Anatomy, Physiology, Histology, and Biological Chemistry are a part of the instruction, may be admitted to advanced standing, provided they pass an examination in these subjects and possess the other requirements for admission.

A graduate of another medical school of recognized standing may obtain the degree of M.D. at this University, after a year's study in the undergraduate course, by passing all examinations required in the full undergraduate course and by fulfilling all requirements for admission. These examinations may be taken only at the times set for the regular examinations in September, February (mid-year examinations), and June. The next year will begin October 1, 1908.

* The exception above referred to applies only to men who, without such a degree, have acquired an equivalent education and training sufficient to enable them to profit by the instruction offered in the School.

DIVISION OF STUDENTS.

Students are divided into four classes according to their time of study and proficiency. No student may advance with his class, or be admitted to advanced standing, until he has passed the required examinations in the studies of the previous year, or a majority of them; nor may he become a member of the third class, until he has passed all the examinations of the first, and in addition a majority of those of the second year; nor of the fourth class, until he has passed all the examinations of the first and second years, in addition to a majority of those of the third year.

No student will be permitted to continue his membership in the School, if at the beginning of his second year he has passed none of the first-year examinations.

In order that the time of study shall count as a full year, students of all classes must register on Thursday, the first day of the academic year.

*Beginning with the academic year 1906-07 students will be required to devote themselves exclusively to the work of the School.**

Students who began their professional studies in other recognized Medical Schools may be admitted to advanced standing. All persons who apply for admission to the advanced classes must furnish a satisfactory certificate of time spent in medical studies, must pass examinations in the branches already pursued by the class to which they seek admission, and fulfil all other requirements for admission; but any student who has fulfilled the requirements of a Department of this School in another school of recognized standing may be excused from repeating such requirements provided the instruction which he has received is considered satisfactory by the head of the Department in this School.

Any student may obtain a certificate of his period of connection with the School.

* The intent of this rule is that students may not engage in hospital work during term time, except in so far as required by the School curriculum.

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR ELECTIVES
*Anatomy	*Bacteriology	1 *Materia Medica and Therapeutics	Anatomy
*Histology and Embryology	*Pathology	3 *Theory and Practice	Comparative Anatomy
Physiology	Hygiene	1 Clinical Medicine	Embryology
Biochemistry	<i>Materia Medica and Therapeutics</i>	Pediatrics	Histology
	<i>Theory and Practice</i>	*Surgery (written 2 hrs., practical 1 hr.)	Cytology
	<i>Clinical Medicine</i>	Clinical Surgery (written 1 hr., practical 1 hr.)	Physiology
	<i>Surgery</i>	Obstetrics	Comparative Physiology
		Gynaecology	Biochemistry
		Dermatology	Bacteriology
		Syphilis	Pathology
		Neurology	Neuropathology
		Psychiatry	Hygiene
		*Ophthalmology	Clinical Medicine
		Otology	Theory and Practice
		Laryngology	Clinical Pathology
		<i>Genito-Urinary Surgery</i>	Pediatrics
		<i>Legal Medicine</i>	Clinical Surgical Pathology
		<i>Municipal Sanitation</i>	

NOTE. — Subjects in which an examination is required are in roman letters. The number following the name of the examination indicates the length in hours of the examination. In the fourth year, electives must be chosen aggregating 1000 hours; each elective or half-course has value of 12½ hours.

* Examination in February.

* Examination in February.

METHODS OF INSTRUCTION.

During the first three years the following methods of instruction are adopted in the several departments:—

NOTE.—The figures at the right of the page indicate as accurately as can be ascertained the number of hours of instruction which each student receives in the different courses.

ABBREVIATIONS USED IN THE FOLLOWING PAGES, AND IN THE
TABULAR VIEWS.

B.C.H.	= Boston City Hospital.
B.D.	= Boston Dispensary.
B.I.H.	= Boston Insane Hospital (Pierce and Austin Farms).
B.L.H.	= Boston Lying-in Hospital.
Ch.H.	= Children's Hospital.
E. and E.I.	= Massachusetts Charitable Eye and Ear Infirmary.
F.H. for W.	= Free Hospital for Women.
H.M.S.	= Harvard Medical School.
I.H.	= Infants' Hospital.
L.I.H.	= Long Island Hospital.
McL.H.	= McLean Hospital.
M.G.H.	= Massachusetts General Hospital.
S.D.B.C.H.	= South Department, Boston City Hospital.
S.H.	= Samaritan Hospital.
S.O.P.D.	= Surgical Out-Patient Department.

Anatomy.

THOMAS DWIGHT, M.D., LL.D., *Parkman Professor of Anatomy.*

JOHN WARREN, M.D., *Demonstrator of Anatomy.*

ELISHA FLAGG, M.D., *Assistant in Anatomy.*

HARRIS P. MOSHER, M.D., *Assistant in Anatomy.*

CHARLES S. BUTLER, M.D., *Assistant in Anatomy.*

HENRY O. MARCY, Jr., M.D., *Assistant in Anatomy.*

DAVID CHEEVER, M.D., *Assistant in Anatomy.*

DAVID D. SCANNELL, M.D., *Assistant in Anatomy.*

JAMES D. BARNEY, M.D., *Assistant in Anatomy.*

ARIAL W. GEORGE, M.D., *Assistant in Anatomy.*

First year.—The instruction consists of lectures; various practical exercises, including abundant dissection under the direction of the Demonstrator; recitations; demonstrations; and study of frozen sections and of the living model. The means and methods of illustrating the anatomical lectures probably are unrivalled in this country. The system of demonstrations to small sections has been greatly extended.

Text-books.—Piersol. Cunningham. Gray. Quain. Morris. Gerrish. Woolsey, Applied Anatomy.

Collateral Reading.—Dwight, Frozen Sections of a Child. Dwight, Clinical Atlas of Variations of Hands and Feet. Cunningham, Manual of Practical Anatomy. Macalister, Human Anatomy. Testut, Anatomie Humaine. Poirier, Traité d'Anatomie Humaine. Tillaux, Anatomie topographique. Humphry, Human Skeleton.

FIRST YEAR.

October.

Lectures. Professor DWIGHT. <i>Seven hours weekly.</i>	28
Demonstrations and study of bones and joints. <i>Three hours daily.</i>	60

November and December.

Lectures. Professor DWIGHT. <i>Three hours a week</i>	24
Demonstrations. Dr. WARREN. <i>Four times a week to sections of the class.</i>	32
Practical anatomy with demonstrations. <i>Three hours a day, five times a week.</i>	120

January.

Lectures and demonstrations. Professor DWIGHT. <i>Daily.</i>	24
Demonstrations. Dr. WARREN. <i>Four times a week to sections of the class.</i>	16
Practical anatomy with recitations. <i>Three hours a day, five times a week.</i>	60
Demonstrations and study of the brain and organs of sense. <i>Three hours a day, five times a week.</i>	60

Comparative Anatomy.

CHARLES S. MINOT, S.D., LL.D., D.Sc., *James Stillman Professor of Comparative Anatomy.*

FREDERIC T. LEWIS, M.D., *Assistant Professor of Embryology.*

JOHN L. BREMER, M.D., *Demonstrator of Histology.*

LEONARD W. WILLIAMS, Ph.D., *Instructor in Comparative Anatomy.*

LUTHER D. SHEPARD, Jr., M.D., D.M.D., *Instructor in Histology.*

VICTOR E. EMMEL, S.M., Ph.D., *Austin Teaching Fellow in Histology and Embryology.*

RICHARD E. SCAMMON, A.M., *Austin Teaching Fellow in Histology and Embryology.*

LABORATORY.

The laboratory comprises the whole southeast wing of the new Morgan Anatomical Building. There are fifteen unit rooms for class work, each of which measures twenty-three by thirty feet, is well lighted, and will be thoroughly equipped as needed. Each unit room is designed for twenty-four elementary or twelve advanced students. There are separate rooms for the various officers, store rooms, collection room, animal room, etc. There is a large library in which complete files of the most important anatomical and morphological journals will be placed, together with many standard works of reference, and in an adjoining room a collection of about eight thousand pamphlets. A card catalogue and a classified bibliography are maintained which give ready access to the literature.

The laboratory offers exceptional facilities for all kinds of work in comparative anatomy in the broadest sense, including histology and embryology. The former Department of Histology and Embryology has been merged with the new Department of Comparative Anatomy.

The Embryological Collection is a unique feature of the laboratory. It comprises nearly twelve hundred series of sections of carefully selected typical vertebrate embryos, and affords therefore opportunities for research in comparative embryology such as cannot be found elsewhere. The collection also includes fifty-one series of sections from human embryos, several of which are of exceptional value, among them being one of the very youngest stages of man yet known.

Text-books.—Stöhr's Histology, edited by F. T. Lewis. Minot, Laboratory Text-book of Embryology.

Collateral Reading.—Quain, Anatomy. Lee, Microtometist's Vademecum. Kölliker, Gewebelehre. Minot, Human Embryology. Van Gehuchten, Système nerveux.

REGULAR COURSES.

First year.—Histology and Embryology are taught by lectures and laboratory work; twenty-two hours a week are required during October, November, and December. Every student is recommended to purchase a microscope, but microscopes may be rented, by those who do not possess them, for three dollars a term. Each student is charged a laboratory fee of three dollars.

FIRST YEAR.

October, November, December.

Lectures. Professor MINOT, Dr. BREMER, Dr. LEWIS. <i>One half-hour five times a week.</i>	30
Laboratory work. <i>Three and one-half hours five times a week.</i>	210
Quiz. <i>Two hours once a week.</i>	24

GRADUATE COURSES.

I. *Comparative Anatomy*. The fourth-year electives are open to graduates. These are four half-courses, mornings or afternoons, throughout the year.

II. *Embryology*. Two half-courses, afternoons, February-March; April-May.

III. *Histology*. Half-course, afternoons, April-May.

IV. Professor MINOT with Assistant Professor LEWIS will give a course of thirty-two exercises on Elementary Human Embryology for practitioners. This course can be extended by a supplementary course of the same length. Fee, \$25.

Graduates taking these courses will be allowed the privilege of the Histological Laboratory. There will be an additional charge of \$5 for reagents and material.

V. Professor MINOT with Assistant Professor LEWIS and Drs. BREMER and SCAMMON will give a course intended for persons who wish to make a special study of Vertebrate or Human Embryology. This course is open to registered students of the Graduate Department of the Faculty of Arts and Sciences, and will be offered hereafter also as a special course to graduate students of the Medical School.

This course will extend through the entire year, but in two parts of one term each. The resources of the Embryological Laboratory in apparatus and material render it possible to offer unusually favorable opportunities for both general study and special research. The course is arranged for those who, as morphologists, anatomists, and practitioners, wish to give the principal part of their time for one or more school terms to the subject. It will cover the whole field of Embryology, including the genital products, the theories of heredity and sex, the formation of the germ-layers, differentiation of the organs, the history of the placenta and the general morphology of Vertebrates or of Man. Most of the work will be done by the student in the laboratory, but there will also be formal lectures. Students taking this course will be expected to devote to it not less than eighteen hours a week.

Fee, for one term, \$75. Two terms, \$125.

The above courses will be limited to twelve students in each course.

INVESTIGATION.

Special accommodations are furnished in the laboratory for students who wish to pursue special or advanced work. Special facilities are

offered to original investigators, who will receive such personal aid as may be necessary or advantageous.

A special course in vertebrate embryology is given during the second term; this has been accepted by the Faculty of Arts and Sciences, and is open to students of the academic departments.

Physiology.

WALTER B. CANNON, M.D., *George Higginson Professor of Physiology.*

ERNEST G. MARTIN, Ph.D., *Instructor in Physiology.*

EDWARD B. MEIGS, M.D., *Instructor in Physiology.*

First Year.—The instruction in Physiology is based, as far as possible, on observations made by the students in laboratory experiments. The experiments are selected to impress the student with the methods and the most important facts in the various divisions of the subject. Physiological processes not readily observed in the laboratory the student learns with an insight derived from practical experience in experimentation. The arrangement of the experiments is in general such that the student first learns of what activity an organ or tissue is capable, next how certain factors condition or modify that activity, and finally what may be the effect of the activity. The experiments have also been so arranged as to place those with more general bearing first, and those with special interest later. Thus reference to previously acquired information becomes more and more possible as the course proceeds.

The amount of time devoted to laboratory exercises is approximately two hundred hours. Each student is required to preserve a record of his experiments and observations in a laboratory note-book. These records are examined and criticised weekly.

Observations of his own experiments by the student are supplemented by thirty-two special demonstrations. These exercises, some of which are performed by students under the direction of an assistant, are closely correlated with the other objective instruction. The function of the depressor nerve, motor localization in the cerebral cortex, the action of secretin and of enterokinase, and the effects of lymphagogues are examples of subjects which are demonstrated.

The facts observed in the laboratory and in the demonstrations are discussed in lectures and theses. The lectures, about ninety in number, are informal discussions permitting questions by the students or by the instructor. In these discussions the laboratory experiments are correlated with one another and with the body of physiological knowledge. Supplementing the lectures are the theses. A thesis based upon reading of the records of original investigations is required of each student. The preparation of a bibliography on a subject in Physiology is also required. The

Bowditch Library of Physiology and Biological Chemistry, containing about four thousand volumes and about twelve thousand reprints, is open to students for reference and reading. There is insufficient time for presenting before the class all the theses written each year. Certain theses of special importance in relation to the regular instruction, between forty-five and fifty in number, are chosen to be presented. In each case two students beside the reader of the thesis are selected to be prepared in some phase of the literature of the subject. These students, after the reading of the thesis, lead the discussion, which is continued by members of the class and the staff. Among the theses read publicly during the past academic year were: Theories of muscular contractility, Color-blindness, Heart-block, Haemolysis, Physiological economy of nutrition, Natural defenses of the organism.

In order that students shall review the work repeatedly as the course proceeds, and also that the instructors may judge the efficiency of the teaching, daily and weekly written tests are given. The daily tests, fifteen minutes in duration and consisting of two questions, serve to emphasize important points in any part of the work recently considered. Following are some of the questions: Does blood enter or leave the ventricle in the interval between the first and second heart sounds? Between the second and first sounds? What is referred pain? What are the relative limits of the various kinds of color-blindness in the normal eye?

The weekly tests, one hour in length, require a more general review of previous work than the daily tests. Usually five questions are asked; as examples the following are illustrative: What are the effects of stimulating the vasoconstrictor nerves of any particular organ? Cite morphological and physiological evidence for segmental arrangement of the nervous system. Discuss cortical localization.

If in the written tests many students show that certain points are not clearly understood, these points are briefly discussed again before the class. If a student reveals by his answers general failure to grasp the subject intelligently, he is personally conferred with regarding the character of his work. Such conferences are held after the first four weeks of the course, and usually result in a better understanding between the instructor and the student, and frequently in a marked improvement in the student's efforts.

Text-books.—No special text-book is required, but the following books are recommended for reading and connection with the course: Text-book of Physiology, edited by E. A. Schäfer. Howell, Text-book of Physiology. Tigerstedt, Text-book of Physiology. Hermann, Lehrbuch der Physiologie. Porter, Introduction to Physiology. Nagel, Handbuch der Physiologie.

FIRST YEAR (Second half).

Laboratory experiments. Professor CANNON, and Drs. MARTIN and MEIGS.	
<i>Daily, except Saturday.</i>	200
Written tests (76). <i>Fifteen minutes daily, except Monday and Saturday.</i>	19
Written tests (15). <i>One hour Mondays.</i>	15
Lectures (90). Professor CANNON, and Drs. MARTIN and MEIGS.	90
Special demonstrations (32). Professor CANNON, and Drs. MARTIN and MEIGS.	16
Discussion of Theses (50).	38
Thesis. Written by each student from the original sources.	
Reading of investigations. The reading of investigations and the discussion of these at the appropriate conference.	

INVESTIGATION.

Any student, properly qualified, who desires to engage in physiological research will be welcomed into the laboratory and will be offered every facility for research which the laboratory affords.

Comparative Physiology.

WILLIAM T. PORTER, M.D., *Professor of Comparative Physiology.*

GRADUATE COURSES.

I. *Physiological Research.* Students qualified for research will pursue their investigations under the immediate direction of Professor W. T. PORTER.

II. *Comparative Physiology of Muscle.* Professor PORTER. Three hours weekly during February and March.

III. *Physiological Conference.* Professor PORTER. Demonstrations with informal discussions of selected problems in physiology. Mondays, 5 to 6 P.M., throughout the year.

Biological Chemistry.

OTTO FOLIN, Ph.D., *Associate Professor of Biological Chemistry.*

CARL L. ALSBERG, M.D., *Instructor in Biological Chemistry.*

LAWRENCE J. HENDERSON, M.D., *Instructor in Biological Chemistry.*

OTIS F. BLACK, A.M., *Assistant in Biological Chemistry.*

FRANCIS H. MCCRUDDEN, S.B., *Assistant in Biological Chemistry.*

FREDERIC C. BLANCK, Ph.D., *Research Assistant in Biological Chemistry.*

FIRST YEAR

Biochemistry 1. — The lectures in this course consist of a brief discussion of the theories of chemical constitution and a survey of those classes of chemical substances which are to be found in animals and plants, by Dr. HENDERSON; and of the general principles and more important facts of Chemical Physiology and Pathology, by Dr. ALSBERG.

The laboratory practice is designed to acquaint the student with some of the more important constituents of living matter and their chemical behavior, and with some of the routine methods of Biochemical investigation.

Conferences and discussions of selected topics supplement the main work of the course.

Chemistry 15, offered by the Division of Chemistry of the Faculty of Arts and Sciences, in some respects a parallel course, or its equivalent, together with a somewhat extended acquaintance with organic chemistry, may be accepted in place of a part of the work of this course, provided that the time be spent in more advanced work in Biological Chemistry.

FIRST YEAR.

Biochemistry 1. — General Biological Chemistry. Lectures, Monday, Tuesday, Wednesday, Thursday, Friday, at 2; and laboratory, Monday, Tuesday, Wednesday, Thursday, Friday, 3-5.30, during the second half-year. Drs. ALSBERG and HENDERSON, and Messrs. BLACK and McCRUDDEN.

GRADUATE COURSES.

Biochemistry 2. — Metabolism. Lectures, five times a week during November and December. Professor FOLIN and Dr. ALSBERG.

This course is designed to acquaint the student with the present knowledge and problems of the metabolism of man and lower animals, both normal and pathological.

Biochemistry 3. — The Technique of Metabolism Investigations. Laboratory practice. Professor FOLIN, Dr. ALSBERG and Mr. McCRUDDEN.

This course is designed to give the student a practical knowledge of the quantitative methods useful in conducting metabolism researches.

Biochemistry 4. — The Applications of Physical Chemistry to Biology. Lectures, five times a week during January. Dr. HENDERSON.

This course is designed to acquaint the student with the recent applications of physico-chemical theories and methods to Biology and medical science. The subjects to be discussed will include the theory of solution, the concentration law, catalysis, ionization, the theory of colloids, and the physico-chemical organization of the cell. The lectures will be supplemented by extended reading, and opportunity for practice in physico-

chemical methods will be offered. In preparation for this course an elementary acquaintance with Physical Chemistry, such as may be obtained from Chemistry 8, offered by the Division of Chemistry of the Faculty of Arts and Sciences, is desirable.

Biochemistry 20.—Research in Biological Chemistry. Half-courses, forenoons, throughout the year; all day or afternoons, first half-year.

Bacteriology.

HAROLD C. ERNST, M.D., *Professor of Bacteriology.*
 LANGDON FROTHINGHAM, M.D.V.; *Instructor in Bacteriology.*
 CALVIN G. PAGE, M.D., *Assistant in Bacteriology.*
 HENRY J. PERRY, M.D., *Assistant in Bacteriology.*
 ARTHUR M. WORTHINGTON, M.D., *Assistant in Bacteriology.*
 EUGENE E. EVERETT, M.D., *Assistant in Bacteriology.*
 EDWARD N. TOBEY, M.D., *Assistant in Bacteriology.*

CLEAVELAND FLOYD, M.D., *Austin Teaching Fellow in Bacteriology.*

Second year.—Required bacteriology is taught by lectures and practical laboratory work. The lectures treat of the general subject and of methods of practical work. In the laboratory each student has an opportunity to become familiar with the simpler methods of manipulation and staining which are of especial clinical value, and with the more prominent of the pathogenic bacteria.

Text-books.—Muir and Ritchie. Abbott. Park.

Collateral Reading.—Sternberg. Heim. Migula. Kolle and Wassermann.

SECOND YEAR.

Lectures. Professor ERNST. *Daily, except Saturdays, during October and November.* 40

Laboratory work. Professor ERNST, and Drs. FROTHINGHAM, PAGE, PERRY, WORTHINGTON, and EVERETT. *Two to three hours daily during October and November.* 120

Pathology.

WILLIAM T. COUNCILMAN, M.D., LL.D., *Shattuck Professor of Pathological Anatomy.*

FRANK B. MALLORY, M.D., *Associate Professor of Pathology.*

JAMES H. WRIGHT, M.D., S.D., *Assistant Professor of Pathology.*

ELMER E. SOUTHARD, M.D., *Assistant Professor of Neuropathology.*

S. BURT WOLBACH, M.D., *Instructor in Pathology.*

ERNEST E. TYZZER, M.D., *Assistant in Pathology.*

FREDERICK P. GAY, M.D., *Assistant in Pathology.*

THOMAS ORDWAY, M.D., *Assistant in Pathology.*

ALEXANDER R. ROBERTSON, M.D., C.M., *Assistant in Pathology.*

JOHN BRYANT, Jr., M.D., *Assistant in Pathology and in Neuropathology.*

Second year.—The course in Pathology consists of laboratory work, demonstrations, conferences, and lectures. During the forenoons of October and November a course in general pathology is given. The basis of the work is formed by a laboratory course in which microscopic work is combined with demonstrations and examinations of gross specimens. A lecture with stereopticon demonstrations is given daily at the end of the exercises in order to explain more fully the lesions studied in the laboratory.

During the forenoons of December and of the first and second weeks of January the work consists chiefly of the study and diagnosis of tissues from post-mortem examinations. So far as possible all the organs from a cadaver are demonstrated together, and the relation of the lesions explained. The organs are examined by the naked eye, and microscopically in frozen sections. Tumors and other pathological products are examined in the same way. Lectures and laboratory talks are given daily.

In the forenoons of the second and third weeks of December, Professor T. SMITH gives a course of lectures and laboratory exercises on animal parasites, particularly the protozoa and the infections produced by them.

During the afternoons of December and January two courses are given in the special pathology of neurology and surgery; the courses constitute a valuable introduction to the clinical work required in these subjects in the third year.

These courses are :—

(a) Fifteen demonstrations and laboratory exercises on the pathology of the nervous system. (See Neurology.)

(b) Twenty laboratory exercises in surgical pathology. (See Surgery.)

Text-books.—Ziegler, General and Special Pathology. Stengel, A Text-book of Pathology. Mallory and Wright, Pathological Technique.

Collateral Reading.—Thoma, Pathologische Anatomie. Orth, Pathologische Anatomie; Diagnostik. Ribbert, Pathologische Histologie, Lehrbuch der Allgemeinen Pathologie. Lubarsch and Ostertag, Ergebnisse der Pathologie und Anatomie. Neveu-Lemaire, Parasitologie animale. Braun, The Animal Parasites of Man.

SECOND YEAR.

Lectures. Professor COUNCILMAN. *Daily for fourteen weeks, October, November, December (first week only), and January.* 84

Lectures. Professor T. SMITH. *One hour daily, second and third weeks of December.* 12

Laboratory work. Professor COUNCILMAN, and Drs. WOLBACH, GAY, and ROBERTSON. *Three hours daily during the forenoons of October, November, December (first week only), and January.* 252

Demonstrations and laboratory work. Professor T. SMITH. *Two hours daily, second and third weeks of December.* 24

Neuropathology. Asst. Professor SOUTHARD. *Afternoons in December.* 40

Surgical pathology. Asst. Professor NICHOLS. *Afternoons in January.* 60

Comparative Pathology.

THEOBALD SMITH, M.D., *George Fabyan Professor of Comparative Pathology.*

MARSHAL FABYAN, M.D., *Assistant in Comparative Pathology.*

— — —, *Assistant in Medical Zoölogy.*

PAUL A. LEWIS, M.D., *Austin Teaching Fellow in Comparative Pathology.*

Second year. — A short course on the pathogenic protozoa and higher animal parasites is given in January as a part of the course in Pathology (see above).

Fourth year. — The laboratory is open throughout the year to advanced and graduate students prepared to carry on original work in problems relating to the spontaneous and induced diseases of animal life, their causes and the relation of these causes to human diseases. Special facilities for the study of bacterial toxins, antitoxins and vaccines, and animal parasites are offered to the qualified student.

SECOND YEAR.

Lectures. Professor T. SMITH. (H.M.S.) *One hour daily, second and third weeks of December.* 12

Demonstrations and laboratory work. Professor T. SMITH, and Drs. WOLBACH, ROBERTSON, FABYAN, and LEWIS. *Two hours daily, second and third weeks of December.* 24

Hygiene.

CHARLES HARRINGTON, M.D., *Professor of Hygiene.*

GEORGE B. MAGRATH, M.D., *Assistant in Hygiene.*

Second year. — The instruction consists of lectures and demonstrations.

Text-book. — Harrington, Practical Hygiene.

Collateral Reading. — Notter, Hygiene. Manson, Tropical Diseases. Newsholme, Vital Statistics. Mason, Water Supply. Abbott, Hygiene of Transmissible Diseases.

SECOND YEAR.

Lectures and demonstrations. Professor HARRINGTON. *Three times a week, second half-year.* 48

Materia Medica and Therapeutics.

FRANZ PFAFF, M.D., *Professor of Pharmacology and Therapeutics.*

MAURICE V. TYRODE, M.D., *Instructor in Pharmacology.*

HENRY D. LLOYD, M.D., *Assistant in Materia Medica.*

Second and Third years.—Instruction is given by lectures and recitations, and by demonstrations of the physiological action of drugs. The lectures are supplemented by an optional course in practical pharmacy, in which the compounding of prescriptions is illustrated. In addition to the lectures on therapeutics, the practical relation of remedies to diseased conditions is dwelt on in the exercises in the departments of Theory and Practice, and of Clinical Medicine.

A special laboratory has been equipped for original research in Experimental Pharmacology and Therapeutics; here a voluntary course, open to a limited number of duly qualified undergraduates, affords opportunity for practical training and instruction in the methods and use of the special apparatus employed in determining the toxic and physiological actions of drugs, and their practical value as remedies.

Text-book.—A. R. Cushny, Pharmacology and Therapeutics.

Collateral Reading.—Schmiedeberg, *Arzneimittellehre*. Binz, *Vorlesungen ueber Pharmacologie*. H. C. Wood, *Therapeutics*. Brunton, *Pharmacology, Materia Medica, and Therapeutics*.

SECOND YEAR.

Pharmacology lectures.	Professor PFAFF.	<i>Twice a week, February to May inclusive.</i>	32
Materia Medica lectures.	Dr. TYRODE.	<i>Once a week, February to May inclusive.</i>	16
Voluntary laboratory work.	Dr. TYRODE.	<i>Two hours once a week during April and May.</i>	

THIRD YEAR.

Lectures on Therapeutics.	Professor PFAFF.	<i>Once a week, first half-year.</i>	16
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The Theory and Practice of Physic.

REGINALD H. FITZ, M.D., LL.D., *Hersey Professor of the Theory and Practice of Physic.*

HENRY A. CHRISTIAN, M.D., *Assistant Professor of the Theory and Practice of Physic.*

ELBRIDGE G. CUTLER, M.D., *Instructor in the Theory and Practice of Physic.*

ELLIOTT P. JOSLIN, M.D., *Instructor in the Theory and Practice of Physic.*

HENRY F. HEWES, M.D., *Instructor in the Clinical Laboratory.*

ARTHUR K. STONE, M.D., *Assistant in the Theory and Practice of Physic.*

GEORGE S. C. BADGER, M.D., *Assistant in the Theory and Practice of Physic.*

JOSEPH H. PRATT, M.D., *Assistant in the Theory and Practice of Physic.*

HERMAN M. ADLER, M.D., *Assistant in the Clinical Laboratory.*

CHARLES L. OVERLANDER, M.D., *Assistant in the Clinical Laboratory.*

FRANCIS W. PALFREY, M.D., *Assistant in the Theory and Practice of Physic.*

WILLIAM B. ROBBINS, M.D., *Assistant in the Clinical Laboratory.*

ROGER I. LEE, M.D., *Assistant in the Theory and Practice of Physic.*

Second and Third years. — Lectures. Lectures on selected topics are given at the Medical School.

Clinical Exercises. — Clinical exercises in which the students are called upon to take an active part are given at the Massachusetts General Hospital.

Ward Visits. — Students in sections will visit patients at stated intervals in the wards of the Massachusetts General Hospital.

Section Teaching. — Small sections of the class will be drilled in the larger hospitals and clinics in the taking of histories and in the examination of urine, blood, sputum, and gastric contents.

Laboratory of Clinical Pathology. — Students will be instructed and exercised in the chemical, microscopical, and bacteriological methods used in the practice of medicine. It is expected that each student by frequent opportunity will attain the necessary proficiency to enable him to utilize these methods in the diagnosis and prognosis of disease.

Text-books. — Osler, *Practice of Medicine*. Tyson, *Practice of Medicine*. Von Mering, *Lehrbuch der Inneren Medizin*. Sahli, *Diagnostic Methods*.

Collateral Reading. — Nothnagel, *Encyclopedia of Practical Medicine*. Allbutt, *System of Medicine*. Eulenberg, *Lehrbuch der klinischen Untersuchungsmethoden*. Kolle und Weintrand, *Die Deutsche Klinik*. Krehl, *Principles of Clinical Pathology*. Eulenburg, *Real-Encyclopädie der gesamten Heilkunde*. Gould, *Medical Dictionary*.

SECOND YEAR.

Lectures on selected topics. Professor FITZ. (H.M.S.)	<i>Twice a week, second half-year.</i>	32
Clinical lectures. Professor FITZ. (M.G.H.)	<i>Once a week, second half-year.</i>	16
Clinical lectures. Dr. CUTLER. (M.G.H.)	<i>Twice a week, second half-year.</i>	32
Exercises in sections. Drs. JOSLIN, STONE, BADGER, and LEE.	<i>Twice a week, second half-year, for each student.</i>	32
Laboratory exercises.	<i>Five times a week, second half-year.</i>	80

* THIRD YEAR.

Lectures on selected topics. Professor FITZ. (H.M.S.)	<i>Twice a week, first half-year.</i>	32
Clinical lectures. Professor FITZ. (M.G.H.)	<i>Twice a week, first half-year.</i>	32
Clinical lectures. Dr. CUTLER. (M.G.H.)	<i>Once a week.</i>	32
Ward Visits. Dr. CUTLER. (M.G.H.)	<i>During the year.</i>	8
Exercises in sections. Drs. JOSLIN, STONE, BADGER, and LEE.	<i>First half-year.</i>	8

Clinical Medicine.

FREDERICK C. SHATTUCK, M.D., *Jackson Professor of Clinical Medicine.*
 GEORGE G. SEARS, M.D., *Assistant Professor of Clinical Medicine.*
 HERMAN F. VICKERY, M.D., *Instructor in Clinical Medicine.*
 HENRY JACKSON, M.D., *Instructor in Clinical Medicine.*
 RICHARD C. CABOT, M.D., *Instructor in Clinical Medicine.*
 JOHN W. BARTOL, M.D., *Assistant in Clinical Medicine.*
 JAMES M. JACKSON, M.D., *Assistant in Clinical Medicine.*
 FRANKLIN W. WHITE, M.D., *Assistant in Clinical Medicine.*
 WILLIAM H. ROBEY, Jr., M.D., *Assistant in Clinical Medicine.*
 WILLIAM H. SMITH, M.D., *Assistant in Clinical Medicine.*
 WILDER TILESTON, M.D., *Assistant in Clinical Medicine.*
 EDWIN A. LOCKE, M.D., *Assistant in Clinical Medicine.*
 FREDERICK T. LORD, M.D., *Assistant in Clinical Medicine.*

The study of Clinical Medicine begins with the second half of the second year. Daily instruction is given by clinical lectures, hospital visits, and other exercises.

Second year.—The following courses continue during the second half-year.

Physical diagnosis for the class in small sections. Every student attends two exercises a week.

Clinical instruction for the entire class, twice a week, in diagnostic methods, diagnosis, and treatment.

Third year.—Four exercises a week are held in the hospital amphitheatres. The teaching is more advanced, with greater stress on therapeutics. The amount of clinical material is so large that during the year a wide range of diseases is illustrated practically. Even of the rarer affections often several examples are shown.

Supplementary instruction is given to the class in small sections, in the ward and out-patient departments, in connection with the Department of Theory and Practice. Each student attends forty-eight exercises during the year.

Text-books.—Osler, Practice of Medicine. Strümpell, Text-book of Medicine. Musser, Medical Diagnosis. Simon, Clinical Diagnosis. Cabot, Physical Diagnosis. Forchheimer, Prophylaxis and Treatment of Internal Disease.

Collateral Reading.—Allbutt, System of Medicine. Twentieth Century Practice of Medicine. Nothnagel, Specielle Pathologie und Therapie. Fagge and Pye-Smith, Practice of Medicine. Gowers, Diseases of the Nervous System. Hare, Practical Diagnosis. Butler, Diagnostics of Internal Medicine. Le Fevre, Physical Diagnosis. Sahli, Diagnostic Methods.

SECOND YEAR.

Clinics. Professor SHATTUCK (M.G.H.) and Dr. H. JACKSON (B.C.H.).

Twice a week, second half-year. 32

Physical Diagnosis. Drs. CABOT, J. M. JACKSON, and LORD (M.G.H.), Drs. ROBEY and LOCKE (B.C.H.), and Dr. — (B.D.). *Two exercises a week, second half-year, for each student.* 32

THIRD YEAR.

Clinics Professor SHATTUCK. (M.G.H.) *Twice a week, first half-year; once a week, second half-year.* 48

Assistant Professor SEARS. (B.C.H.) *Twice a week, first half-year; once a week, second half-year.* 48

Dr. H. JACKSON. (B.C.H.) *Once a week, second half-year.* 16

Dr. BARTOL. (B.C.H.) *Once a week, second half-year.* 16

Pediatrics.

THOMAS MORGAN ROTCH, M.D., *Professor of Pediatrics.*

JOHN H. MCCOLLOM, M.D., *Assistant Professor of Contagious Diseases.*

JOHN L. MORSE, M.D., *Assistant Professor of Pediatrics.*

MAYNARD LADD, M.D., *Instructor in Pediatrics.*

GEORGE A. CRAIGIN, M.D., *Clinical Instructor in Pediatrics.*

CHARLES H. DUNN, M.D., *Assistant in Pediatrics.*

HENRY I. BOWDITCH, M.D., *Assistant in Pediatrics.*

Third Year. — Lectures on selected topics preparatory for the clinical teaching are given early in the year. Clinical lectures are given from November to April inclusive at the Children's Hospital and at North Grove Street; the students are required to take an active part in the examination and discussion of the cases. A certain number of recitations on subjects selected as best taught in this way are held in the course of the year, and a large amount of case teaching occurs in the latter part of the year. Sectional teaching at the bedside is given from October to May inclusive, and comprises a large proportion of the year's instruction. During the first half-year the class in sections receives instruction three times a week in the contagious wards of the Boston City Hospital, where each student is shown and examines cases of diphtheria, scarlet fever, and measles. Each student is taught the technique of intubation, and has an opportunity to see intubation performed. A written report of the cases seen is required. In all the clinical and sectional teaching especial attention is paid to clinical therapeutics.

Text-book. — Rotch, Pediatrics.

Collateral Reading. — Keating, Cyclopaedia of the Diseases of Children. Northrup, American Edition of The Diseases of Children, by Ashby and Wright. Jacobi, Therapeutics of Infancy and Childhood. Holt, Diseases of Infancy and Childhood. Sachs, The Nervous Diseases of Children.

THIRD YEAR.

Lectures. Professor Rotch. (H.M.S.)	<i>Once a week, October 3 to December 19; twice a week, January 30 to February 25; once a week, March 4 to April 1.</i>	24
Dr. LADD. (H.M.S.)	<i>Once a week, January 2 to January 23.</i>	4
Clinical lectures. Professor Rotch. (Ch.H.)	<i>Once a week, October 4 to February 7.</i>	18
Assistant Professor Morse. (North Grove St.)	<i>Once a week, February 14 to March 27.</i>	6
Recitations and Case Teaching. Dr. Morse.	<i>Once a week, March 2 to March 30; twice a week, April 6 to May 26.</i>	19
Section Teaching.		
Assistant Professor McCollom. (S.D.B.C.H.)	<i>Three times a week, first half-year.</i>	48
Assistant Professor Morse. (Ch.H. and I.H.)		29
Dr. Craigin. (Ch.H.)		51
Dr. Ladd. (Ch.H. and I.H.)		31
Dr. Dunn. (Ch.H. and I.H.)		27
Dr. Bowditch. (Ch.H. and I.H.)		27
Each student receives	29 hours of section teaching.	29

Surgery.

The Division of Surgery is composed of the departments of surgery, clinical surgery, orthopedic surgery, and surgical pathology.

EDWARD H. BRADFORD, M.D., *Professor of Orthopedic Surgery.*
 MAURICE H. RICHARDSON, M.D., *Moseley Professor of Surgery.*
 HERBERT L. BURRELL, M.D., *Professor of Clinical Surgery.*
 EDWARD H. NICHOLS, M.D., *Assistant Professor of Surgical Pathology.*
 JAMES G. MUMFORD, M.D., *Instructor in Surgery.*
 JOHN B. BLAKE, M.D., *Instructor in Surgery.*
 HOWARD A. LOTHROP, M.D., *Instructor in Surgery.*
 CHARLES A. PORTER, M.D., *Instructor in Surgery.*
 ROBERT B. GREENOUGH, M.D., *Instructor in Surgery.*
 ROBERT W. LOVETT, M.D., *Instructor in Orthopedics.*
 ELLIOTT G. BRACKETT, M.D., *Instructor in Orthopedics.*
 PAUL THORNDIKE, M.D., *Instructor in Genito-Urinary Surgery.*
 JOEL E. GOLDTHWAIT, M.D., *Instructor in Orthopedics.*
 GEORGE W. GAY, M.D., *Lecturer on Surgery.*
 SAMUEL J. MIXTER, M.D., *Lecturer on Surgery.*
 GEORGE H. MONKS, M.D., *Lecturer on Surgery.*
 FRANCIS S. WATSON, M.D., *Lecturer on Genito-Urinary Surgery.*
 FRANCIS B. HARRINGTON, M.D., *Lecturer on Surgery.*
 CHARLES L. SCUDDER, M.D., *Lecturer on Surgery.*
 AUGUSTUS THORNDIKE, M.D., *Assistant in Orthopedics.*
 WILLIAM E. FAULKNER, M.D., *Assistant in Surgery.*
 FRED B. LUND, M.D., *Assistant in Surgery.*
 GEORGE W. W. BREWSTER, M.D., *Assistant in Surgery.*
 JAMES S. STONE, M.D., *Assistant in Surgery.*
 ERNEST A. CODMAN, M.D., *Assistant in Surgery.*
 JOSHUA C. HUBBARD, M.D., *Assistant in Surgery.*
 DANIEL F. JONES, M.D., *Assistant in Surgery.*
 LE ROI G. CRANDON, M.D., *Assistant in Surgery.*
 WALTER C. HOWE, M.D., *Assistant in Surgery.*
 CHANNING C. SINMONS, M.D., *Assistant in Surgery.*
 ROBERT M. GREEN, M.D., *Assistant in Surgery.*

FRANK L. RICHARDSON, M.D., *Austin Teaching Fellow in Surgery.*

Instruction is given by systematic lectures, surgical anatomy lecture demonstrations, recitations, lecture demonstrations, clinical lecture demonstrations, and by section teaching in the wards, in the out-patient departments, and in the laboratory.

Second and Third years.—A course in surgical pathology, consisting of laboratory exercises, in which are studied the healing of wounds, fractures, diseases of bones and joints, and the special pathology which is of surgical importance, is given in the month of January. A series of clinical lectures, illustrating the lesions studied in this course in the laboratory, is given at the Boston City Hospital. During the second half of the second year and in the first half of the third year the instruction consists of systematic lectures, recitations, demonstrations of surgical pathological material, and clinical demonstrations. Every week the student has four lectures, demonstrations or recitations, and four clinical exercises illustrating the lectures, demonstrations and recitations. In the first week the systematic lectures are given on surgical technique; in the second week on surgical materials and case-taking; in the third week on trauma, hemorrhage, sepsis, etc. The various subjects in surgery are taken up in successive weeks and illustrated contemporaneously by clinical lectures and demonstrations, until the end of the first half of the third year. During the whole course surgical anatomy lectures will be given on special subjects in surgery. As early as may be in the second half of the second year, the course in surgical technique is given. It consists of six hours of lectures to the entire class, and of twelve laboratory exercises, of two hours each, to the class in sections. The laboratory course consists of the application of bandages and surgical apparatus, and of the preparation and application of surgical dressings and materials by the students.

After the course in surgical technique the student is required to serve satisfactorily at least one month in the surgical out-patient department of the Massachusetts General Hospital or the Boston City Hospital. In the month of February all the students will be assigned to serve one month during the year beginning April 1, 1908, at one or other of these hospitals. During the month of required service as surgical dresser the student will receive instruction in anesthesia. In the first half of the third year the student receives instruction in the surgical wards of the Massachusetts General and Boston City Hospitals. In this section teaching students have instruction on a number of selected subjects in major surgery, are brought into personal contact with the patient at the bedside, and have practical experience in the diagnosis, prognosis, and treatment of surgical cases.

A required course in orthopedic surgery is given in the first half of the year and consists of lectures at the Medical School and of clinical exercises at the Children's Hospital.

A required course in genito-urinary surgery is given in the first half of the third year, consisting of eight lectures. In the second half of the third year the class is divided into small sections, and each student receives

instruction for six hours in the out-patient departments in the details of minor genito-urinary work.

Books recommended.—International Text-book of Surgery. Warren, Surgical Pathology. American Text-book of Surgery. Cheever, Lectures on Surgery. Dennis, System of Surgery. Von Bergmann and W. T. Bull, System of Surgery. König, Lehrbuch der Speciellen Chirurgie. Bryant, Operative Surgery. Jacobson (and Steward), Operations of Surgery. DaCosta, Modern Surgery. Eisendrath, Surgical Diagnosis. Scudder, Treatment of Fractures. Stimson, Fractures and Dislocations. Binnie, Operative Surgery. Wharton, Minor Surgery and Bandaging. Whitman, Orthopedic Surgery. Bradford and Lovett, Orthopedic Surgery. Hoffa, Orthopädische Chirurgie. Keyes, Surgical Diseases of the Genito-Urinary Organs. Morton, Genito-Urinary Diseases and Syphilis. Mumford, Clinical Talks on Minor Surgery. Gould, The Technique of Operations on the Intestines and Stomach. Burrell and Blake, Case Teaching in Surgery.

SECOND YEAR.

Laboratory course in Surgical Pathology. Assistant Professor NICHOLS.

(H.M.S.) *Twenty three-hour exercises during January.* (See Pathology.) 60

Clinical lectures in connection with the above course. Assistant Professor NICHOLS. (B.C.H.) *Twelve exercises during January.* 12

Laboratory course in Surgical Technique. Dr. LOTHROP. *Six lectures to the entire class.* 6

Twelve two-hour exercises for each student during second half of second year. 24

Systematic lectures, surgical anatomy lecture demonstrations, demonstrations, and recitations. Professors RICHARDSON and BURRELL. (H.M.S.) *Four times a week.* 128

Clinical demonstrations in connection with the above lectures. Professor RICHARDSON (M.G.H.), Professor BURRELL, and Drs. J. B. BLAKE and LOTHROP (B.C.H.). *Four times a week.* 64

THIRD YEAR.

Systematic lectures, surgical anatomy lecture demonstrations, demonstrations, and recitations. Professors RICHARDSON and BURRELL. (H.M.S.) *Three times a week, first half-year.* 48

Clinical demonstrations in connection with above lectures. Professors RICHARDSON (M.G.H.) and BURRELL (B.C.H.). *Twice a week, first half-year.* 32

Clinical lectures. Professor RICHARDSON. (M.G.H.) *Once a week, second half-year.* 16

Professor BURRELL, and Drs. GAY and MONKS. (B.C.H.)	<i>Twice a week, second half-year.</i>	32
Clinical exercises in surgical wards. Drs. HARRINGTON, LOTHROP, CODMAN, LUND, and CRANDON.	<i>Twice a week for eight weeks, first half-year.</i>	16
Lectures and demonstrations. Orthopedic surgery. Professor BRADFORD. (H.M.S. and Ch. H.)	<i>Once a week, first half-year.</i>	16
Lectures. Genito-Urinary Surgery. Dr. THORNDIKE. (H.M.S.)	<i>Once a week for eight exercises in October and November.</i>	8
Section teaching at the Hospitals.	<i>One hour a day for six days.</i>	6
Case Teaching. Dr. J. B. BLAKE. (H.M.S.)	<i>Once a week, beginning March 1.</i>	12

Obstetrics and Gynaecology.

CHARLES M. GREEN, M.D.,	<i>Professor of Obstetrics.</i>
FRANKLIN S. NEWELL, M.D.,	<i>Instructor in Obstetrics and Gynaecology.</i>
MALCOLM STORER, M.D.,	<i>Assistant in Gynaecology.</i>
WILLIAM P. GRAVES, M.D.,	<i>Assistant in Gynaecology.</i>
ERNEST B. YOUNG, M.D.,	<i>Assistant in Gynaecology.</i>
HOWARD T. SWAIN, M.D.,	<i>Assistant in Obstetrics.</i>
LEO V. FRIEDMAN, M.D.,	<i>Assistant in Obstetrics.</i>
JAMES R. TORBERT, M.D.,	<i>Assistant in Obstetrics.</i>

OBSTETRICS.

Third year. — Instruction is given by lectures, recitations, conferences, and clinical teaching. Students are required to take charge of at least six cases of labor, to receive clinical instruction on at least one of them, to care for their patients during the convalescence, and to make full written reports of the cases. Many of these reports are read at the conferences and discussed by the class and the instructors.

Text-book. — J. W. Williams, *A Text-book of Obstetrics.*

Collateral Reading. — Reynolds and Newell, *Practical Midwifery.* Hirst, *A Text-book of Obstetrics.* Lusk, *The Science and Art of Midwifery.* Jellett, *Manual of Midwifery.*

THIRD YEAR.

Lectures on the Theory and Practice of Obstetrics. Professor GREEN. (H.M.S.)	<i>Twice a week.</i>	64
Recitations. Dr. NEWELL. (H.M.S.)	<i>Once a week.</i>	32
Conferences. Professor GREEN, and Drs. NEWELL, SWAIN, FRIEDMAN, and TORBERT. (H.M.S.)	<i>Once a week.</i>	32
Practical instruction in Clinical Obstetrics. Drs. SWAIN, FRIEDMAN, and TORBERT.	<i>Throughout the year, i.e., every student must receive instruction on one of the cases of labor which he attends, and may ask for instruction on his other cases, if he desires.</i>	

GYNAECOLOGY.

Third Year.—Instruction is given by lectures, recitations, and clinical teaching. Clinics are held in the out-patient departments of the Boston City Hospital, the Boston Dispensary, and the Free Hospital for Women, and the student is instructed in diagnosis, and in the treatment of ambulatory cases.

Text-book.—Dudley, Principles and Practice of Gynaecology.

Collateral Reading.—Skene, Diseases of Women. Davenport, Diseases of Women. Winckel, Diseases of Women. Emmet, Principles and Practice. Byford, Manual of Gynaecology. Penrose, Textbook of Diseases of Women. Ashton, Practice of Gynaecology.

THIRD YEAR.

Lectures or recitations. Professor GREEN. (H.M.S). *Twice a week, second half-year.* 32

Clinical exercises. Dr. STORER (B.D.), Dr. GRAVES (F.H. for W.), and ——— (B.C.H.). *In sections, during the second half-year.*
Each student may attend six clinics of two hours each. 12

Dermatology and Syphilis.

JOHN T. BOWEN, M.D., *Edward Wigglesworth Professor of Dermatology.*

ABNER POST, M.D., *Assistant Professor of Syphilis.*

CHARLES J. WHITE, M.D., *Instructor in Dermatology.*

HARVEY P. TOWLE, M.D., *Assistant in Dermatology.*

C. MORTON SMITH, M.D., *Assistant in Syphilis.*

FREDERICK S. BURNS, M.D., *Assistant in Dermatology.*

DERMATOLOGY.

Third year.—A course of lectures, recitations, and demonstrations is given during October and November, and a weekly clinical exercise extends throughout the year.

Collateral Reading.—Stelwagon. Duhring. Hyde. Robinson. Crocker. Kaposi. v. Ziemssen. Besnier. Van Harlingen. Jackson. Taylor.

THIRD YEAR.

Lectures, demonstrations, and recitations on diseases of the skin. Professor BOWEN. (H.M.S.) *Once a week during October and November.* 8

Clinical Dermatology. Professor BOWEN. (M.G.H.) *Once a week.* 32
 Clinical exercises. Drs. TOWLE and BURNS. (M.G.H.) *In sections, twice a week, February and March.* 8

SYPHILIS.

Third year. — Lectures and clinical instruction are given at the Boston Dispensary.

THIRD YEAR.

Lectures. Assistant Professor POST. (H.M.S.)	<i>Once a week, December and January.</i>	8
Clinical lectures. Assistant Professor POST and Dr. SMITH. (B.D.)	<i>Once a week, April and May.</i>	8
Clinical exercises. Assistant Professor POST and Dr. SMITH. (B.D.)	<i>In sections, twice a week, second half-year. Each student attends six two-hour exercises.</i>	12

Neurology and Psychiatry.

JAMES J. PUTNAM, M.D., *Professor of Diseases of the Nervous System.*
 PHILIP COOMBS KNAPP, M.D., *Clinical Instructor in Diseases of the Nervous System.*

EDWARD W. TAYLOR, M.D., *Instructor in Neurology.*

EDWARD COWLES, M.D., LL.D., *Instructor in Mental Diseases.*

GEORGE T. TUTTLE, M.D., *Clinical Instructor in Mental Diseases.*

WILLIAM NOYES, M.D., *Clinical Instructor in Mental Diseases.*

GEORGE A. WATERMAN, M.D., *Assistant in Neurology.*

NEUROLOGY.

Second year. — Instruction is given during December on the pathology of the nervous system. The course is illustrated by lantern projections of histological preparations and by work in the laboratory.

Third year. — During the first half-year one exercise a week, and during the second half-year two exercises a week, are given at the Massachusetts General Hospital. The object of the course is to give the student a first-hand knowledge of the principles of diagnosis and treatment of diseases of the nervous system supplementary to the work in general internal medicine. The general plan of instruction is (a) Review of the anatomy of the nervous system essential to diagnosis of organic diseases; lectures and demonstrations. (b) Pathological anatomy in its relation to diagnosis; demonstrations of stained specimens and photographs. (c) Study of cases as they present themselves at the Out-Patient Department of the Hospital and in the wards. (d) Work in the Case-system. Short examinations and conferences will be held at intervals during the year.

Text-book. — Putnam and Waterman, *Studies in Neurological Diagnosis.*

Collateral Reading. — Oppenheim, *Diseases of the Nervous System* (English translation, 2d edition). Gowers, *Diseases of the Nervous Sys-*

tem. Dana, Text-book of Nervous Diseases (latest edition). Herter, Diagnosis of Nervous Diseases (latest edition). Mills, The Nervous System and Its Diseases. Church and Petersen, Nervous Diseases (latest edition).

SECOND YEAR.

Pathology of the Nervous System. Assistant Professor SOUTHARD.
(H.M.S.) *Fifteen exercises during December.* (See Pathology.) 45

THIRD YEAR.

Lectures, Demonstrations, and Clinical exercises. Professor PUTNAM, and
Drs. TAYLOR and WATERMAN. (M.G.H.) *Once a week, first half-year; twice a week, second half-year.* 48

PSYCHIATRY.

Third year.—Systematic lectures are given at the Medical School during the second half-year, and clinical instruction is offered at the Boston Insane Hospital.

Text-books.—Kraepelin, Psychiatrie (English translation, Defendorf—Clinical Psychiatry). Clouston, Clinical Lectures on Mental Diseases. Folsom, Monograph in Pepper's System of Medicine. Berkley, Mental Diseases. Regis, Manual of Mental Medicine. Paton, Psychiatry.

Collateral Reading.—Krafft-Ebing, Text-book of Insanity. Church and Peterson, Nervous and Mental Diseases. Brower and Bannister, Insanity. James, Psychology. Tuke, Dictionary of Psychological Medicine. Baldwin, Dictionary of Philosophy and Psychology. Hall, Adolescence. Barr, Mental Defectives.

THIRD YEAR.

Lectures. Dr. COWLES. (H.M.S.) *Once a week, second half-year.* 16
Clinical exercises. Dr. COWLES. (B.I.H.) *At stated intervals.* 3-4

Ophthalmology.

MYLES STANDISH, M.D., *Assistant Professor of Ophthalmology.*

EDWIN E. JACK, M.D., *Instructor in Ophthalmology.*

ALEXANDER QUACKENBOSS, M.D., *Instructor in Ophthalmology.*

HENRY H. HASKELL, M.D., *Assistant in Ophthalmology.*

EDMUND W. CLAP, M.D., *Assistant in Ophthalmology.*

FRED M. SPALDING, M.D., *Assistant in Ophthalmology.*

Third year.—Instruction consists of lectures at the Medical School and of clinical exercises devoted to diagnostic methods, diagnosis, and treatment at the Massachusetts Charitable Eye and Ear Infirmary.

Text-books.—DeSchweinitz. Fuchs. Hansell and Sweet.

Collateral Reading.—Loring, On the Ophthalmoscope. Landolt, Refraction and Accommodation. Norris and Oliver, System of Diseases of the Eye. Haab, Atlas of the External Diseases of the Eye.

THIRD YEAR.

Lectures. Assistant Professor STANDISH. (H.M.S.) *Twice a week, in October and November.* 16

Clinical exercises. Drs. JACK, QUACKENBOSS, HASKELL, CLAP, and SPALDING. (E. and E.I.) *In sections, ten hours a week, first half-year. Every student receives fourteen hours of instruction.* 14

Otology.

CLARENCE J. BLAKE, M.D., *Walter Augustus Lecompte Professor of Otology.*

EUGENE A. CROCKETT, M.D., *Instructor in Otology.*

PHILIP HAMMOND, M.D., *Instructor in Otology.*

HARRIS P. MOSHER, M.D., *Assistant in Otology.*

DAVID H. WALKER, M.D., *Assistant in Otology.*

Third year.—Lectures are given at the Medical School, and clinical instruction at the Massachusetts Charitable Eye and Ear Infirmary.

Text-books.—Brühl and Politzer. Bacon.

Collateral Reading.—Poltzer, Text-book of Diseases of the Ear; 4th ed., translated by Ballin and Heller. Blake and Reik.

THIRD YEAR.

Lectures. Professor BLAKE. (H.M.S.) *Twice a week, February and March; once a week, April and May.* 24

Clinical exercises. (E. and E.I.) *In sections, two hours, five times a week, second half-year. Every student attends ten exercises.* 20

Laryngology and Rhinology.

ALGERNON COOLIDGE, Jr., M.D., *Assistant Professor of Laryngology.*

FREDERIC C. COBB, M.D., *Instructor in Laryngology.*

J. PAYSON CLARK, M.D., *Assistant in Laryngology.*

JOSEPH L. GOODALE, M.D., *Assistant in Laryngology.*

ROCKWELL A. COFFIN, M.D., *Assistant in Laryngology.*

HARRIS P. MOSHER, M.D., *Assistant in Laryngology.*

Third year.—Instruction consists of lectures and demonstrations, and of training in the use of instruments. The entire class has one lecture a week during the second half-year. For the practical work at the Massachusetts General Hospital, the Boston City Hospital, and the Boston Dispensary, the class is divided into small sections.

THIRD YEAR.

Lectures. Assistant Professor COOLIDGE. (H.M.S.) *Once a week, second half-year.* 16

Clinical exercises. Assistant Professor COOLIDGE, and Drs. CLARK, GOODALE, MOSHER (M.G.H.), COFFIN (B.C.H.) and COBB (B.D.). *In sections, second half-year. Twelve exercises for each student.* 12

Legal Medicine.

Legal Medicine is no longer taught as a separate required study; but the several departments will give instruction in the medico-legal aspects of their respective subjects. Dr. G. B. MAGRATH, Instructor in Legal Medicine, will offer this year a voluntary or elective course in the subject, concerning which definite information will be posted later on the bulletin boards.

Municipal Sanitation.

SAMUEL H. DURGIN, M.D., *Lecturer on Hygiene.*

THIRD YEAR. OPTIONAL COURSE.

Lectures. Dr. DURGIN. (H.M.S.) *Twice a week, February and March.* 16

FOURTH-YEAR ELECTIVES

The electives of the fourth year are given as half-courses. A half-course occupies the entire day for one month (the all-day plan) or the forenoons or the afternoons for two months (the half-day plan). Each half-course has a value of 125 hours. Eight half-courses are necessary to satisfy the requirement of one thousand hours of work demanded in the fourth year. The two half-courses elected for the first two or the last two months of each half-year must be formed on the same plan to avoid conflict.

Neuropathology, medicine, pediatrics, surgery, and obstetrics offer electives on the all-day plan.

Anatomy, histology, embryology, bacteriology, clinical surgical pathology, genito-urinary surgery, orthopedics, surgical pathology, gynaecology, dermatology, neurology and psychiatry, ophthalmology, otology, and laryngology offer electives on the half-day plan.

Physiology, comparative physiology, biochemistry, bacteriology, pathology, clinical pathology, hygiene, and theory and practice offer electives on both plans.

The several half-courses offered by any one department are not necessarily graded courses, but represent hours of clinical, technical, and research work.

Students who intend to become general practitioners are advised to elect the following group of subjects:—

Medicine	3 half-courses.
Pediatrics	1 “ “
Surgery	1 “ “
Obstetrics	1 “ “
Neurology and psychiatry, dermatology and syphilis, or gynaecology	1 “ “
Anatomy, histology, embryology, physiology, biochemistry, bacteriology, neuropathology, orthopedics, or hygiene	1 “ “

Students interested in surgery are advised to elect the following group of subjects:—

Medicine	2 half-courses.
Surgery	2 “ “
Genito-urinary surgery	1 “ “
Anatomy	1 “ “
Gynaecology or clinical surgical pathology	1 “ “
Orthopedics or surgical pathology	1 “ “

Students wishing to specialize in any particular branch of medical study may elect more than one of the half-courses offered in a given subject, but no student will be allowed to devote his whole year to one subject without the consent of the head of the department concerned. Special arrangements will be made for students desirous of paying exclusive attention to other subjects than those listed, for example, pharmacology and comparative pathology.

When a student's research work in an elective is necessarily prolonged beyond the time elected for that subject, he will be allowed, with the permission of the Board of Administration, to make such changes in his electives as will enable him to finish his research work, provided the time required does not extend beyond the school year.

The final choice of electives must be left at the Dean's office on or before September 15.

The Faculty reserves the right to modify the selection of the courses chosen by any student. The *order* in which a student's electives are arranged must be determined by the Secretary of the Faculty.

The nature of the examinations shall be determined by each department subject to the approval of the Faculty. The student's credit may be based on his daily written record of work, and on a practical or written examination at the end of his course, or upon all combined. The mark assigned must be sent immediately to the Dean's office.

FOURTH-YEAR ELECTIVES ARRANGED UNDER DEPARTMENTS

Anatomy.—Half-courses, afternoons, throughout the year.

Anatomy I October–November; December–January;
February–March.

Anatomy II April–May.

Comparative Anatomy.—Half-courses, forenoons or afternoons.

(1) Comparative Anatomy. Forenoons or afternoons.

I. October–November.

II. December–January.

III. February–March.

IV. April–May.

(2) Embryology. Half-courses, afternoons, second half-year.

V. February–March.

VI. April–May.

(3) Histology. Half-course, afternoons, second half-year.

VII. April–May.

(4) Cytology. Half-course.

VIII. October–November, forenoons.

IX. December–January, afternoons.

Physiology.—Half-courses, forenoons, afternoons, or all day, throughout the year.

Comparative Physiology.—Half-courses, forenoons, afternoons, or all day, throughout the year.

Biological Chemistry (Biochemistry 20).—Half-courses, forenoons throughout the year; all day or afternoons, first half-year.

Bacteriology.—Half-courses, forenoons or afternoons, second half-year.

Pathology.—(1) Pathology. Half-courses, forenoons or all day, second half-year.

(2) Neuropathology. Half-courses, all day, throughout the year.

Comparative Pathology.—No courses offered, but special arrangements can be made with the department.

Pharmacology.—No courses offered.

Medicine.—(1) Clinical Medicine. Half-courses, all day, throughout the year.

(2) Theory and Practice. Half-courses, forenoons or all day, throughout the year.

(3) Clinical Pathology. Half-courses, forenoons or all day, first half-year.

Forenoons.

Comparative Anatomy.
 Cytology.*
 Physiology.
 Comparative Physiology.
 Biochemistry.
 Bacteriology.**
 Pathology.**
 Theory and Practice.
 Clinical Pathology.*
 Clinical Surgical Pathology.
 Genito-Urinary Surgery.
 Gynaecology.
 Dermatology and Syphilis.
 Neurology and Psychiatry.
 Ophthalmology.**
 Otology.
 Laryngology.*
 Hygiene.

Afternoons.

Anatomy.
 Comparative Anatomy.
 Histology.**
 Embryology.**
 Cytology.*
 Physiology.
 Comparative Physiology.
 Biochemistry.*
 Bacteriology.**
 Orthopedics.
 Surgical Pathology.
 Hygiene.

Group of Courses Recommended for the General Practitioner.

	OCT.	NOV.	DEC.	JAN.		FEB.	MAR.	APR.	MAY.
A.M. 9-1	Medicine	Medicine	Medicine	Pediatrics		Surgery	Obstetrics	1	
P.M. 2-6								2	

Medicine 3 half-courses.
 Pediatrics 1 " "
 Surgery 1 " "
 Obstetrics 1 " "
 (1) Neurology and psychiatry, dermatology,
 or gynaecology 1 " "
 (2) Anatomy, histology, embryology, physi-
 ology, biochemistry, bacteriology, neuro-
 pathology, orthopedics, or hygiene . . 1 " "

* = first half-year.

** = second half-year.

Group of Courses Recommended to Men interested in Surgery.

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY.
A.M. 9-1	Medicine	Medicine	Surgery	Surgery	G. U. Surgery		1	
P.M. 2-6					Anatomy		2	

Medicine	2 half-courses.
Surgery	2 " "
Genito-urinary surgery	1 " "
Anatomy	1 " "
(1) Gynaecology or clinical surgical pathology	1 " "
(2) Orthopedics or surgical pathology	1 " "

GENERAL PLAN OF INSTRUCTION

ANATOMY. Half-courses, afternoons, throughout the year.

(1) *Anatomy I.* October and November; December and January; February and March.

This is a dissecting course in which the three parts of the body are to be dissected. It will be under the direction of the demonstrator. Each student will be quizzed once a week and there will be a certain amount of supervision by the assistants.

N. B.—No one can take this course who has not passed his first-year anatomy.

(2) *Anatomy II.* April and May.

This is *not* to be considered a course for professional anatomists, but one suited to the practitioner. It will consist of topographical anatomy, the study of frozen sections, and of special parts of anatomy; in the selection of the latter every effort will be made to meet the wishes of those taking the course. For instance, some can give particular attention to the joints, others to the circulation, etc. Though there will be no systematic dissection the cadaver will be used for study and for special dissections. This elective will be under the immediate supervision of the professor of anatomy.

COMPARATIVE ANATOMY. Half-courses, forenoons or afternoons, throughout the year.

(1) *Comparative Anatomy.* Four half-courses. These courses may be taken either consecutively or separately. The general morphology of vertebrates and the anatomy of important types will be studied.

(2) *Embryology I.* February and March. Elementary laboratory course, especially correlated with anatomy and pathology.

(3) *Embryology II.* April and May. Proresearch work. Each student will be given a special piece of work to verify and extend some important recent investigation.

(4) *Histology.* April and May. General laboratory course offering training in methods. Each student must select in advance one of the three following forms of this course:—

(a) General Histology, intended specially as preparation for advanced work in anatomy and pathology.

(b) General structure and development of the nervous system.

(c) General structure and development of the urogenital system.

(5) *Cytology.* October and November, forenoons.

December and January, afternoons.

PHYSIOLOGY. Half-courses, forenoons, afternoons, or all day, throughout the year.

The elective work in physiology will be of two classes:—

(a) Detailed study in any special subject in physiology. Such study will include preparation of bibliographies, reading of classical papers, repetition of important experiments, and reports on work accomplished.

(b) Investigation. Students, properly qualified, who are willing to spend sufficient time in research, will be welcomed into the laboratory and given problems to work upon. During the conduct of their investigations they will receive the counsel and guidance of other investigators working with them.

COMPARATIVE PHYSIOLOGY. Half-courses, forenoons, afternoons, or all day, throughout the year.

Students may elect work in any field of physiology. It is to be presumed that such students desire additional work in physiology to fit them for some special field of medicine, for example, the diseases of the nervous system; or they may wish to pursue physiology, pathology, or some other biological science as a profession. They will be received into the research laboratories of the department, and will carry on their studies with the personal assistance of Professor PORTER. The work will consist of fundamental experiments, the study of accessory data, and the reading of selected original investigations. The course is open to qualified persons not students in the Medical School.

BIOCHEMISTRY. — Research in Biological Chemistry. Half-courses, forenoons, throughout the year; all day or afternoons, first half-year.

A student may elect work in any field of biochemical research for which he is qualified by his previous training. Students are advised to elect this course during November and December, so that they may be able to include in it Biochemistry 2 (cf. p. 25). For detailed information they are referred to the pamphlet of the Department of Biological Chemistry.

BACTERIOLOGY. Half-courses, forenoons, afternoons, or all day, second half-year.

These electives will be of four kinds, including (*a*) instruction in methods of diagnosis depending upon bacteriological procedures; (*b*) instruction in methods of bacteriological diagnosis in use in Health Board laboratories, including the examination of waters and soils; (*c*) instruction in methods of opsonic-index work, with practical application; (*d*) research work in any direction for which the student may be fitted.

Longer courses may include one or the other of these, together with a limited piece of research work.

PATHOLOGY.

(1) *Pathology.* Half-courses, forenoons or all day, second half-year. The work will consist of (*a*) training in the technical methods used in pathology; (*b*) attendance at postmortem examinations at the various hospitals, and the fixation and study of tissues obtained from them; (*c*) study of the more unusual pathological lesions; (*d*) research work in any line which a student demonstrates his fitness to pursue.

(2) *Neuropathology.* Half-courses, all day, throughout the year. The course is given at the Danvers Insane Hospital, and involves (*a*) attendance at the daily case-readings of the hospital staff, with analysis and observation of cases presented (one to three daily); (*b*) work in the wards upon selected cases; (*c*) laboratory work. Each student is assigned the tissues and protocol of a neuropathological case, the report of which will involve personal employment of the approved technical methods in neuropathology, as well as a variable amount of library work. When elected for more than a month, the course may involve work on a neuropathological problem. The course is intended as preparatory for neurological or psychiatric work or as auxiliary to work on general medicine.

HYGIENE. Half-courses, forenoons, afternoons, or all day, throughout the year.

The course will consist in part of laboratory instruction and in part of special research. The laboratory instruction will comprise the analysis of

air, soils, water and foods, the investigation of disinfectants, etc., and epidemiology.

Before electing this subject, students are advised to consult with the head of the department, and satisfy him that they are properly qualified by previous training.

MEDICINE. — I. *Clinical Medicine*. Half-courses, all day, throughout the year.

The morning will be devoted to clinical work in various out-patient departments, and the afternoon to work in the wards at the Massachusetts General Hospital. One afternoon each week will be devoted to a ward visit and a demonstration in clinico-pathology. The written report of four cases will be required (two from the out-patient work and two from the ward work), and a thesis containing original work of some character, the length of which will vary according to the number of half-courses elected. Eight such courses are offered, and the student may elect as many as he chooses.

(1) *Clinical Instruction*. This will be of two kinds:—

(a) Work as assistant in the out-patient department, where, in addition to the routine work, selected cases are demonstrated during the morning by a member of the department.

(b) Work in wards where special cases are assigned for study. Demonstrations, by a member of the department, are given each afternoon of the more unusual cases.

(2) *Didactic Teaching*. One exercise each week is devoted to practical therapeutics. The use and effect of drugs in selected cases is considered. One exercise will be devoted to demonstrations in gross pathology given jointly by members of the pathological and medical departments. In this exercise the autopsy material of the previous week is studied at the Massachusetts General Hospital in relation with the clinical history, physical signs, and clinical diagnosis of each case.

(3) *Original Thesis*. Each student shall present before graduation an original thesis which will embody clinical, laboratory, statistical, or literary work. The subject of the thesis shall be approved, and the work done under the supervision of some member of the medical department selected by the student.

II. *Theory and Practice*. The electives in medicine offered by the Department of Theory and Practice consist of

(a) Half-courses, all day, throughout the year, at the Massachusetts General Hospital. Each half-course of one month is limited to four students.

(b) Half-courses, forenoons, throughout the year, at the Carney Hospital. Each half-course of two months is limited to four students. Each two of the latter will alternate between the medical wards and the out-patient department. The work will consist in a consecutive study of ambulatory and ward patients with the application of appropriate laboratory methods. There will be also an opportunity for the medical observation of surgical cases before and after operation. Participation in autopsies will constitute a part of the work. These courses will be given under the supervision of Assistant Professor Christian.

(c) Research in the Laboratory of Clinical Pathology on the half-day or all-day plan, first half-year.

PEDIATRICS. Half-courses, all day, throughout the year.

The work will consist of clinical instruction of cases in the wards and out-patient departments of the Infants' Hospital, Children's Hospital and the Contagious wards of the South Department. Students will be assigned to the various wards and out-patient departments by the Professor of Pediatrics and will work under his supervision, and in so far as is practicable the work will be assigned in reference to their individual needs and wishes. The students may also attend the clinical lectures given by Dr. Rotch in the third year. The direction of the clinical work will be carried out by the other members of the department. One half of each section will work in the mornings in the out-patient department of the Children's Hospital and the other half in the out-patient department of the Infants' Hospital under the direction of a member of the department. The whole section will spend two afternoons a week at the South Department under Dr. McCollom, and two afternoons in the medical wards of the Children's Hospital under the supervision of an instructor. Two clinical exercises on diseases of the ear in infants and children will be given each month through the courtesy of Dr. Crockett. Four exercises on the Roentgen Ray will be given each month by Dr. A. W. George. Four exercises on the opsonic index will be given each month by Dr. C. Floyd. The remaining time will be spent on reading in connection with some subject assigned to each student, and on which a written report will be required.

CLINICAL SURGICAL PATHOLOGY. Half-courses, forenoons, throughout the year.

The course will consist of a study of clinical cases with especial reference to the pathology of the lesions present and the use of the microscope in immediate diagnosis. The work will be supplemented with conferences and demonstrations in the Warren Museum.

SURGERY :—

(1) *Surgery*. Half-courses, all day, throughout the year.

The instruction will consist of ward work, the examination of cases, the recording of histories, the establishing of diagnoses, the etherization of patients, the dressing of injuries, wounds, and fractures, the close observation of operations, seeing the progress of a surgical patient, and the end results of cases. The out-patient work will consist of the establishing of diagnoses, the treatment of cases under direction, and the recording of histories. This work will be carried out at the hospitals, in the wards and out-patient departments, and will occupy a part of each day, and will be from time to time directed and supervised by instructors.

The afternoons will be devoted to library, museum, and literary work, surgical pathology, case teaching, regional surgery, and operative surgery. Seminars and conferences will be held as occasion requires. The student will be required to account for his daily work.

(2) *Genito-Urinary Surgery*. Half-courses, forenoons, throughout the year.

The instruction will consist of ward and out-patient work, the taking of histories, the witnessing of and assisting at operations, the reporting of the progress of cases, and seeing the end results. Conferences with the student will be held from time to time.

(3) *Orthopedic Surgery*. Half-courses, afternoons, throughout the year.

The instruction will consist of ward and out-patient work, the taking of histories, the witnessing of and assisting at operations, the reporting of the progress of cases, and seeing the end results. Conferences with the student will be held from time to time.

(4) *Surgical Pathology*. Half-courses, afternoons, December to May, inclusive.

The course is for students who desire to learn methods of original investigation in any line of the pathology of surgical diseases, especially in the line of experimental work. No formal instruction is given, but students will be assisted and directed in methods and technique. The cost of materials used in experimental work must be met by the student. A four months' course is advised.

OBSTETRICS AND GYNAECOLOGY :—

(1) *Obstetrics*. Half-courses, all day, throughout the year.

The course will be given at the Boston Lying-in Hospital and at the Medical School. During the first half of the course the student will lodge

at the Hospital, and devote his time chiefly to attendance on cases in the out-patient clinic; he will also be called upon to assist at operations, and, when his other duties permit, to make ward visits with the physician on duty. In the second half of the course he will conduct the convalescence of the cases delivered by him during his resident service, write full reports of his cases, and make daily ward visits, receiving clinical instruction on house patients, and witnessing operations. In his clinical work he will have the supervision and instruction of the Department and of the Hospital Staff on duty. In the second half of his course he will also be given, at the Medical School, a course of demonstrations in operative obstetrics, and each student will practise the various operations on the manikin.

(2) *Gynaecology*. Half-courses, forenoons, throughout the year.

The course will be given in the wards and out-patient department of the Gynaecological Service at the Boston City Hospital, which affords ample material for a comprehensive study of gynaecology, from the simpler lesions requiring only minor local treatment or the various plastic operations, to the major cases treated by capital operation. Students will be given opportunity to educate the touch, and will be instructed in diagnosis and in the methods of minor treatment. The various operations, major and minor, will be demonstrated, and opportunity given to study convalescence and post-operative treatment. Students will also be expected to study, and report on, pathological specimens removed by operation.

Cases will be assigned for history-taking, examination, diagnosis, with notes on operation and subsequent treatment. As far as possible students will be expected to assist in clinical work.

DERMATOLOGY AND SYPHILIS. Half-courses, forenoons, throughout the year.

Instruction in clinical dermatology will be given at the Massachusetts General Hospital, both in the out-patient department and in the ward for skin diseases. Instruction will also be given in the histology and pathology of the skin, with training in the preparation of microscopical preparations and in histological technique.

NEUROLOGY AND PSYCHIATRY. Half-courses, forenoons, throughout year.

The design of these courses is to continue the work of the third year in its practical relations. The aim will be to give the student an opportunity for the independent study of cases. To this end the following methods of instruction in general will be adopted:—

The instruction in neurology will be as follows : —

(1) Daily systematic conferences on neurological topics.

(2) History-taking, and personal examination of patients at the out-patient departments of the Massachusetts General and Boston City Hospitals.

(3) Assistance in the clinic, both in the general examination of patients and in treatment, especially by means of electricity.

(4) The detailed preparation of reports bearing on the subjects studied, and such original investigation as the time permits. A study of the literature bearing on special topics apart from text-books is urgently advised.

(5) Visits will also be made to institutions in the neighborhood of Boston as opportunity offers, *e. g.*, Massachusetts School for Feeble-Minded, Long Island Hospital, Boston Harbor.

In the final marking much account will be taken of the daily practical work of the student.

The instruction in psychiatry will be as follows : —

(1) A conference, one evening each week, for the review and further study of the cases seen at the clinics and of other cases, and for the discussion of special subjects.

(2) Clinical instruction at the McLean Hospital one forenoon in each week. This will include attendance at the regular conferences of the Medical Staff at which there is a careful discussion of every case on its admission to the Hospital, with the study of its history, diagnosis, prognosis, and treatment. This exercise will be followed by a visit to the wards and the examination, as far as practicable, of the cases discussed at the conferences and of other selected cases.

(3) Clinical instruction at the Boston Insane Hospital one forenoon in each week, including clinical demonstrations, and the individual study of especially assigned cases, which will also be reported and discussed at the regular evening conferences.

This course in psychiatry is open to a limited number of students, and may be taken independently of that in neurology. Several exercises will be held in common by those electing psychiatry and neuropathology.

OPHTHALMOLOGY. Half-courses, forenoons, second half-year.

The work will consist of personal instruction in the use of the ophthalmoscope and other instruments of precision. An opportunity will be given to work in the out-patient department of the Massachusetts Charitable Eye and Ear Infirmary and to observe and study cases in the wards. In addition there will be instruction in ophthalmic operations with opportunity to witness their exemplification in the operative work of the hospital.

OTOLOGY. Half-courses, forenoons, throughout the year.

For men who elect but one half-course, the work will consist chiefly of clinical training and instruction, hearing tests, and objective examinations and manipulations in the out-patient, house, and operating services of the Massachusetts Charitable Eye and Ear Infirmary.

For men especially interested in Otology, who wish to devote all their time to the subject, a thorough course of instruction has been planned embracing the anatomy, physiology, and pathology of the ear, nose, and nasopharynx in addition to thorough clinical instruction.

LARYNGOLOGY. Half-courses, forenoons, first half-year.

The course is held daily at the Massachusetts General Hospital. One half of the morning will be given to work in the clinic, and the second half to systematic clinical instruction, operations, anatomy, pathology, and the literature of the subject.

EXAMINATIONS.

The final examination in every required subject is held at the close either of the first or of the second half of the school year. The examination, therefore, in every subject occurs once a year, but an opportunity to make up failures in examinations is offered at the opening of the school year. The *Mid-Year* and *June examinations* are for those only who are members of the School at the time, and for those entitled to apply for the degree. The *September examination* is for those only who have been examined previously and have failed in the subject of the examination, or for applicants for advanced standing. In some subjects a portion of the examination consists of practical work in the laboratory.

The exercises of the third year are omitted during the mid-year examinations.

The amount of time credited to each examination is as follows:—

First year.—Anatomy* (3 hrs.), Histology and Embryology* (3 hrs.), Physiology (3 hrs.), Biological Chemistry (3 hrs.).

Second year.—Bacteriology* (1 hr.), Pathology* (2 hrs. written, 1 hr. practical), Hygiene (1 hr.).

Third year.—Materia Medica and Therapeutics* (2 hrs.), Theory and Practice* (3 hrs.), Clinical Medicine (3 hrs.), Pediatrics (2 hrs.), Surgery* (2 hrs. written, 1 hr. practical, as follows: Surgery, 15 min.; Orthopedic Surgery, 15 min.; Surgical Technique, 15 min.; Surgical Pathology, 15 min., taken in second year), Clinical Surgery (1 hr. written,

* The examinations in these subjects are held at the end of the first half-year.

1 hr. practical, as follows: Clinical Surgery, 45 min.; Genito-Urinary Surgery, 15 min.), Obstetrics (3 hrs.), Gynaecology (1 hr.), Dermatology (1 hr.), Syphilis (1 hr.), Neurology (1 hr.), Psychiatry (1 hr.), Ophthalmology* (1 hr.), Otology (1 hr.), Laryngology (1 hr.).

Fourth year.—The nature of the examinations is determined by each department. The student's credit is based on his daily written record of work, and on a practical or written examination at the end of each course, or on all combined.

In addition to the above examinations every student is required:—

To dissect the three parts of the body to the satisfaction of the demonstrator;

To receive practical instruction in anaesthesia;

To present a certificate that he has satisfactorily served as a surgical dresser in the surgical out-patient department of the Massachusetts General Hospital or Boston City Hospital for at least one month after taking the course in surgical technique in the second half of the second year;

To take charge of and report on six cases in Obstetrics, and to receive instruction on at least one of them;

To furnish satisfactory evidence of having engaged in the practical exercises in Theory and Practice.

No student is allowed to anticipate the examinations in the regular course of studies of his year, except by special permission of the Faculty.

After two failures to pass in any subject, a student must give notice twenty-four hours in advance, at the Dean's office, of his intention to take each subsequent examination in that subject, and pay a charge of three dollars.

DEGREES.

Degree of Doctor of Medicine.

Every candidate for the degree of DOCTOR OF MEDICINE at this University must be at least twenty-one years of age, and of good moral character. He must fulfil all the requirements for admission to this Medical School; must give evidence of having studied in a recognized Medical School at least four full years, of which one year must be spent at this School; must pass all the required examinations, and fulfil satisfactorily the special requirements enumerated above.

The degree of Doctor of Medicine will be given to those candidates who fulfil the above requirements. The degree of Doctor of Medicine *cum laude* will be given to candidates who have obtained an average of eighty per cent., or over, in all the required examinations.

* The examinations in these subjects are held at the end of the first half-year.

Candidates for the degree must make application for it in writing, on blanks furnished at the Dean's office, on or before *May 1* of the year in which they propose to graduate.

Candidates for the degree of Doctor of Medicine are not required to present a thesis; but they may present a voluntary thesis which, if of conspicuous merit, may receive honorable mention; if the thesis is also of a suitable character, it may be read at the Commencement exercises. Theses must be completed and delivered to the Dean on or before *the first day of June*.

A graduate of another Medical School of recognized standing may obtain the degree of Doctor of Medicine at this University by fulfilling all the requirements for undergraduates above mentioned, but he may take the examination in any subject only at the times when regularly it is held, that is, in September, at the mid-year, or in June.

Degree of Master of Arts.

The degree of MASTER OF ARTS is open to graduates of the Harvard Medical School who are also Bachelors of Arts of Harvard College, and to Bachelors of Arts of other Colleges who shall be recommended by the Faculty of Arts and Sciences of Harvard College. Candidates must pursue an approved course of study in Medicine for at least one year after taking the degree of Doctor of Medicine. Applications for approval of the course of study offered for this degree must be made to the Administrative Board of the Graduate School of Arts and Sciences on or before the *fifteenth day of January*.

FEES AND EXPENSES.

The fees are:—For matriculation, *five dollars*; for instruction, *two hundred dollars* for each year (if in two payments, at the first, one hundred and twenty dollars; at the second, eighty dollars); for a half-year alone, *one hundred and twenty dollars*. During the first year there are the following additional expenses: two dollars for each of the three parts required for dissection; three dollars for laboratory materials in Histology; three dollars for physiological material; and a maximum of ten dollars a year for chemical material, in addition to the charge for breakage of glass apparatus. Students are required to deposit with the Bursar* six dollars to cover Anatomy charges, three dollars for Histology, and twenty dollars for Chemistry and Physiology. The balances of these deposits are returnable at the end of the year. In the second year three dollars will be charged for the course in Surgical Technique; and a deposit of five dollars is required to cover breakage in

* The Bursar's office is in Dane Hall, Harvard Sq., Cambridge. Hours 9-1.

the course in Clinical Pathology, the balance of this deposit to be returnable at the end of the year. In the fourth year a charge of three dollars is made for material used in the course in Operative Surgery. A deposit of two dollars with the Dean will entitle a student to the use of a locker in the School buildings. A student who wishes to rent a microscope of the School can do so upon payment of three to six dollars a half-year. There is a graduation fee of twenty dollars for the degree of A.M.

Not later than October 10 in each academic year, any student may pay to the Bursar the sum of four dollars for the maintenance of the Stillman Infirmary; and, on the order of a physician, every student who has taken advantage of this opportunity will be given, in case of sickness, in return for the fee, a bed in a ward, board, and ordinary nursing for a period not exceeding two weeks in any one academic year.

Payment of Fees.

Each first-year student is required to pay to the Bursar punctually at the beginning of the academic year, without the presentation of a bill, the sum of *one hundred and fifty-four dollars*; *each second-year student* is required to pay in the same manner *one hundred and twenty-eight dollars*; and *all other students* are required to pay, in the same manner, the sum of *one hundred and twenty dollars*. Fourth-year students electing Surgery are required to pay a charge of three dollars for material in Operative Surgery. The remainder of the tuition fee—*eighty dollars* each for all students—must be paid to the Bursar on or before January 31. No degree can be conferred until all dues to the University have been discharged. Each student whose dues remain unpaid on the day fixed for their payment is required at once to cease attending lectures and using laboratories or making use of any other privileges as a student until his financial relations with the University have been arranged satisfactorily to the Bursar. Failure to comply with this rule is deemed cause for final separation from the University.

Every student is required to file with the Bursar on his entrance to the School a bond of *fifty dollars*, executed by two sufficient bondsmen (one of whom must be a citizen of the United States), or to deposit fifty dollars in money, to cover the loss or injury of any property belonging to the University, or for which it is responsible. Blank forms of bonds may be obtained from the Secretary of the Faculty or from the Bursar. No officer or student of the University is accepted as a bondsman. Students will be held responsible for the payment of fees until they have notified the Dean, in writing, of their intention to withdraw from the School.

Whenever a student is obliged to withdraw from the School before the last four weeks of a half-year for no misdemeanor, but for good and suffi-

cient reason, to be determined in all cases by the Administrative Board, it shall be recommended that he be entitled to a remission of three-fourths of the amount due for that portion of the time during which he receives no instruction. This remission will date from the reception by the Dean of a written notice of the student's withdrawal from the School. No degree will be conferred till all dues to the School are discharged.

The student's general expenses may be reduced, in accordance with his means, to the standard which prevails in other cities. A list of boarding places at various prices can be obtained at the rooms of the Young Men's Christian Association, corner of Berkeley and Boylston Streets, and the rooms of the Young Men's Christian Union, No. 48 Boylston Street, Boston.

CLINICAL ADVANTAGES.

The Medical Department of the University is established in Boston, in order to secure for Anatomy, Pathology, and the various Clinical Subjects those advantages which are found only in large cities.

There are Hospital visits or operations daily.

The Massachusetts General Hospital.—During the past year, more than five thousand patients were treated in the wards, and over thirty thousand in the out-patient departments. Patients are received from all parts of the United States and the Provinces, and are visited by the students, with the attending physicians and surgeons, on four days in the week. Operations are numerous, and are performed in the amphitheatre, which is provided with seats for 400 persons. Clinics in the following special branches have been established in connection with the out-patient department: Dermatology, Laryngology, Diseases of the Nervous System, and Ophthalmology. The Dalton scholarship of \$500 is open to the house pupils.

The Boston City Hospital.—During the past year, about nine thousand cases were treated in its wards, and twenty-two thousand in its various out-patient departments. The medical wards always contain many cases of acute diseases, and changes are taking place constantly. The opportunities for seeing fractures, injuries, and traumatic cases of all kinds are excellent, since, on an average, eight hundred street accidents are treated yearly. Surgical operations are performed in the amphitheatre. There are special services for diseases of women, of the eye, the ear, the skin, and the nose and throat. Diseases of women and of the nervous system are also largely treated in the out-patient department. Clinical instruction is given by the physicians and surgeons two or more times a week.

In these two hospitals, the facilities for witnessing Operative Surgery are unsurpassed. Twice a week operations are performed in the presence of the class. The number of these operations is large, reaching nearly

two thousand a year. The variety is great, embracing every surgical disease and injury, including the surgical operations on the eye and ear.

The Boston Lying-in Hospital. — More than seven hundred patients were confined during the last year in the Hospital. In the out-patient department, nearly two thousand cases were attended by the hospital Externes, who are appointed from the third and fourth-year students. Clinical instruction is given in these cases by the physicians to out-patients and by the house physicians.

The Boston Dispensary. — More than forty thousand patients were treated at this public charity during the past year. Students have ample and excellent opportunity for seeing practical work in the diagnosis and treatment of cases illustrating the various branches of Medicine and Surgery.

The Infants' Hospital. — The wards of the Hospital are devoted entirely to children under two years of age. About three thousand children of all ages are treated annually in the out-patient department. The material of the Hospital is used throughout the year for teaching both students and graduates.

Children's Hospital. — During the past year more than seven hundred cases were treated in the wards and about seventy-six hundred in the out-patient departments. Instruction in orthopedic surgery and in the general diseases of children is given by members of the hospital staff.

The McLean Hospital. — During the past year two hundred and five patients, received from all parts of the country, were under treatment. Advanced methods of treatment are employed, including physical exercise, massage, hydrotherapy, etc., applied by persons expert in these methods. In the laboratories, — pathological, chemical, and physiological, with psychological methods, — work is carried on in immediate connection with the clinical studies and treatment of cases. There is a good special library of works in psychiatry and neurology, and a large list of American and foreign journals available for study. Clinical conferences are regularly held by the Medical Staff for the discussion of all cases admitted, including a study of the history, diagnosis, prognosis, and treatment of each case. These exercises and clinical demonstrations in the wards are available for a limited number of students.

The Boston Insane Hospital. — During the past year one thousand and eighty-seven patients were under treatment. Clinical instruction is given here in general clinics to medical students, and there are in addition facilities for the special study of cases by students taking elective courses. Emergency cases are received; the whole number of patients admitted last year was four hundred and sixteen, including many instructive examples of the various forms of mental disease.

The Massachusetts Charitable Eye and Ear Infirmary.—Over thirty thousand patients were treated at this institution during the past year. These cases present every variety of disease of the ear and eye, and supply a large number of operations. A new and enlarged hospital, considered to be one of the best of its kind in the world, has been erected on land adjoining the Massachusetts General Hospital. It is believed that this building will provide adequately for the proper treatment of the constantly increasing number of patients.

Long Island Hospital, Boston Harbor.—This Hospital is designed particularly for the treatment of chronic diseases. It has two hundred and fifty beds, with an average daily number of patients of about two hundred and thirty. It has marked advantages for the study of syphilis, tuberculosis, diseases of the nervous system, and chronic diseases of the heart and of the kidneys. The number of autopsies is annually about 50 per cent. of the deaths, a fact which affords an unusual opportunity for the study of pathological anatomy. The material in the Hospital is used for clinical instruction by the members of the Visiting Staff.

The Carney Hospital.—During the past year there were treated at this hospital about nine hundred ward patients and nearly four thousand new out-patients in the surgical service; over six hundred ward patients and more than three thousand new out-patients in the medical service; two hundred operative ward patients and twelve hundred new out-patients in the orthopedic service; and one hundred operative ward cases and ten thousand out-patients in the ophthalmic service. More than eight hundred cases, covering a large variety of diseases, were operated on by the surgical service. The surgical, medical, and orthopedic services are under the direction of single heads with continuous service, who with assistants manage both the house and out-patient departments.

Clinical instruction will be given in connection with the surgical, medical, orthopedic, and ophthalmic services, and opportunity will be afforded for a limited number of qualified men to engage in clinical investigation under the direction of the heads of services and their assistants. The orthopedic clinic offers special opportunities for the study of chronic joint affections in the adult.

Students are also permitted to visit the Free Hospital for Women on application to the physicians on duty.

There are more than sixty appointments annually for Internes in the various hospitals, and nearly as many more for Assistants in the out-patient departments. Appointments for the Massachusetts General and Boston City Hospitals are for terms of one to two years (according to the service chosen); for the Boston Lying-in Hospital for six months; and for the Free Hospital for Women for nine months.

WARREN ANATOMICAL MUSEUM.

The Warren Anatomical Museum was founded in 1847 by JOHN COLLINS WARREN, of the College Class of 1797, Adjunct Professor of Anatomy and Surgery from 1809 to 1815, Hersey Professor of Anatomy and Surgery from 1815 to 1847, Professor *Emeritus* from 1847 to his death in 1856, son to JOHN WARREN, the first Hersey Professor of Anatomy and Surgery. This important Museum is open to students in the School, and its collections are used in demonstration of the lectures. It occupies the upper three floors of the Administration Building. Its Curator is Dr. WILLIAM FISKE WHITNEY.

The collection has about nine thousand specimens, illustrating both normal and pathological anatomy and materia medica. Students may have access to these specimens at any time upon application to the Curator.

Besides dissections and serial sections of many bones, the anatomical collection includes many corrosion preparations, plaster and papier maché models of bones, organs, and various parts of the body, and frozen sections.

The pathological collection is being constantly enlarged by the addition of numerous specimens, preserved in their natural colors by Kaiserling's method.

LIBRARIES.

Medical School students who are engaged in research work may have access to the special libraries of the various departments on application to the persons in charge. These libraries are seven in number, consisting of three large combined departmental libraries in buildings *B*, *C*, and *D*, and of four small separate departmental libraries in building *E*. The total number of books in all the libraries is 12,788, and of pamphlets 23,820. In addition 306 medical journals and society publications are taken, of which a few, however, are duplicates. The students have a small general medical library for their own use in their reading room in the Administration Building.

The College Library at Cambridge is open to the students of this School.

The Boston Public Library, which contains a large collection of medical books, is open to students who are inhabitants of Boston. Students, not inhabitants of Boston, who have filed a bond at the Bursar's office, or deposited with the Bursar the sum of fifty dollars, may also use this library. The Bursar will furnish on application the necessary certificate of bond or deposit.

The Boston Medical Library has nearly 35,000 volumes, about half of which are periodicals, and 30,000 pamphlets. Nearly 500 current journals and transactions are on file. There is a good reference library of modern

books, including encyclopaedias, systems, etc. The Library is open daily, except Sundays and holidays, from 9 A.M. to 6 P.M. It is also open Tuesday and Friday evenings from 7 to 10, except during July and August. It has always been free to medical students.

FELLOWSHIPS AND SCHOLARSHIPS.

FELLOWSHIPS.

BULLARD FELLOWSHIPS. In 1891, WILLIAM STORY BULLARD, of Boston, gave the sum of fifteen thousand dollars for the establishment of three fellowships of five thousand dollars each "in memory of three physicians who were distinguished for their honorable personal character and for their professional services in this community." Accordingly the three following fellowships were established with a yearly income of two hundred and twenty-five dollars each:—

THE GEORGE CHEYNE SHATTUCK MEMORIAL FELLOWSHIP.

THE JOHN WARE MEMORIAL FELLOWSHIP.

THE CHARLES ELIOT WARE MEMORIAL FELLOWSHIP.

The income from any one or all of these fellowships may be paid to any student or member of the medical profession who shall be selected by the Administrative Board of the Medical School to make such original investigations in Medical Science as in their opinion will be most useful to the profession and to the community. The results of such investigations shall not, however, be published as a research performed under the grant of a Bullard Fellowship, unless the work shall have received the approval of the Committee. If published with the approval of the Committee, mention shall be made of the fact that the work was done under a Bullard Fellowship.

Holders of Bullard Fellowships are required to do an amount of work equivalent to not less than ten hours a week throughout the academic year and to present to the Committee at the end of the academic year a report on the amount and result of the work performed.

Applications for the Bullard Fellowships must be handed to the Dean on or before October 1.

AUSTIN FELLOWSHIPS. In 1900, four teaching fellowships, of five hundred dollars each, were established from the income of the Austin Fund.

PROCTOR FUND. A bequest of fifty thousand dollars by Ellen Osborne Proctor for the purpose of promoting the study of chronic diseases. The income of this fund is to be devoted to the care in hospital of persons afflicted with chronic disease, and to investigations into the nature and treatment of the same. The special disposition of the income of this fund is under the control of the heads of the departments of Theory and Practice of Physic, Clinical Medicine, and Pathology.

SCHOLARSHIPS.

The Cheever Scholarship is awarded to a student of the first-year class. The Hayden Scholarship may be so awarded. All the other Scholarships are awarded to members of the three upper classes.

BARRINGER SCHOLARSHIPS. Two, known as the Edward M. Barringer Scholarship No. 1, and the Edward M. Barringer Scholarship No. 2, and having a yearly income of three hundred dollars and two hundred dollars respectively, from a bequest of Edward M. Barringer, will be awarded to deserving students, preferably those of the fourth class.

DAVID WILLIAMS CHEEVER SCHOLARSHIP, with an income of two hundred and fifty dollars, was founded in 1889 by David Williams Cheever, M.D., LL.D., of Boston, of the Class of 1852. It is to be awarded to a poor and meritorious student of the first year, after three months' probation in the Medical School.

ISAAC SWEETSER SCHOLARSHIP was founded in 1892 by Mrs. Anne M. Sweetser. The income of two hundred and fifty dollars is to be "devoted to the aid of poor students of ability who would not otherwise be able to continue the studies necessary for their profession."

CLAUDIUS M. JONES SCHOLARSHIP, with an income of two hundred and fifty dollars, is from a bequest of six thousand dollars by Claudius Marcellus Jones, of the Class of 1866, M.D. 1875.

ORLANDO W. DOE SCHOLARSHIP. The bequest of ORLANDO WITHER-SPON DOE (A.B. 1865, M.D. 1869) was five thousand dollars. One half of the income derived therefrom, amounting to one hundred dollars, "is to be given annually as a scholarship to a deserving student in the Medical department."

CHARLES PRATT STRONG SCHOLARSHIP, with an income of one hundred dollars, was founded in 1894 by friends and patients of the late Charles Pratt Strong, of the Class of 1876, M.D. 1881.

The **LEWIS AND HARRIET HAYDEN SCHOLARSHIP** for colored students was founded in 1894 from a bequest of Mrs. Harriet Hayden. The income is two hundred and twenty-five dollars.

ALFRED HOSMER LINDER SCHOLARSHIP, with an income of two hundred dollars, was founded in 1895 by Mrs. George Linder. It is to be awarded to a needy student who shall have proven himself to be of sound principles and marked ability.

JOSEPH EVELETH SCHOLARSHIPS. Three Scholarships with an annual income of two hundred dollars each. Founded from the residuary bequest of thirty-seven thousand eight hundred and ninety-seven dollars and

fourteen cents, made by Joseph Eveleth, of Boston, "for aiding deserving and indigent young men in obtaining an education in said College or any of the schools connected therewith." Three Scholarships on this foundation have been assigned to the Harvard Medical School.

EDWARD WIGGLESWORTH SCHOLARSHIP, with an income of two hundred dollars, was founded in 1897 by the family of the late Edward Wigglesworth, of the Class of 1861, M.D. 1865, the yearly income of the fund to be paid to such needy and deserving students of the Medical School as the Medical Faculty shall annually recommend.

HILTON SCHOLARSHIPS. Two Scholarships, with an income of two hundred and twenty-five dollars each, were founded in 1897 from a bequest of William Hilton.

CHARLES B. PORTER SCHOLARSHIP, with an income of two hundred and twenty-five dollars, was founded in 1897 from a bequest of five thousand dollars by William L. Chase.

The **JOHN THOMSON TAYLOR SCHOLARSHIP**, with an income of two hundred dollars, was founded in 1899 by Mrs. Frederic D. Philip in memory of her brother, John Thomson Taylor, who died in 1889. He was a student of the Medical School from 1887 to 1889.

LUCIUS F. BILLINGS SCHOLARSHIP, with an income of two hundred dollars, was founded in 1900 from a bequest under the will of Lucius F. Billings.

The **JOSEPH PEARSON OLIVER SCHOLARSHIP**, with an income of three hundred and twenty-five dollars, was founded in 1904 by patients of the late Joseph Pearson Oliver, M.D. (Harvard, 1871), to be awarded "to such needy and deserving student of the Medical School as the Administrative Board shall annually recommend."

A fund of five thousand dollars, the gift of an unknown donor, was established in 1905, the income of which shall be payable every year to such meritorious and needy students in the Harvard Medical School as shall be recommended by the Administrative Board of the School.

COTTING GIFT. The income of a fund received from the late Dr. Benjamin E. Cotting will be given to such medical student or students as the Medical Faculty may select, having regard to the pecuniary needs, intellectual capacity, faithfulness and earnest endeavor, rather than to highest scholarship merely. The amount to be awarded annually will be one hundred and twenty-five dollars.

The income of the **JOHN FOSTER FUND**, amounting to about one hundred and fifty dollars, is payable every other year to one or more.

meritorious students needing assistance. The next payment will be made in 1908.

These scholarships and gratuities are awarded to such men among those applying for and needing assistance as give evidence of having done the best work either in this School or in a preparatory course elsewhere.

Students who have not been able to obtain scholarships often find time and opportunity to do outside work of various kinds in the city.

All applications for scholarships or pecuniary aid, except for the Cheever and Hayden Scholarships, must be handed to the Dean on or before *June 1*.

Applications for the Cheever and Hayden Scholarships must be handed to the Dean on or before *November 30*. These scholarships are open only to students who are members of the school at the time of application.

Blank forms, on which all applications for pecuniary aid must be made, may be obtained of the Dean.

PRIZES

Boylston Medical Prizes.—These prizes, which are *open to public competition*, are offered annually for the best dissertations on questions in medical science proposed by the Boylston Medical Committee.

At the annual meeting held in Boston in 1907 no prizes were awarded.

For 1908 two prizes are offered :—

1. A prize of seventy-five dollars for the best dissertation on *The results of Original Work in Anatomy, Physiology, or Physiological Chemistry*. The subject to be chosen by the writer.

2. A prize of seventy-five dollars for the best dissertation on *The results of Original Investigations in Pathology, Bacteriology, Therapeutics, or Pharmacology*. The subject to be chosen by the writer.

Dissertations on these subjects must be sent post-paid to H. C. ERNST, M.D., Harvard Medical School, Boston, Mass., on or before *January 1, 1908*.

For 1909 two prizes are offered :—

1. A prize of seventy-five dollars for the best dissertation on *The results of Original Work in Anatomy, Physiology, or Physiological Chemistry*. The subject to be chosen by the writer.

2. A prize of seventy-five dollars for the best dissertation on *The results of Original Investigations in Pathology, Bacteriology, Therapeutics, or Pharmacology*. The subject to be chosen by the writer.

Dissertations on these subjects must be sent to the same address as above on or before *January 1, 1909*.

In awarding these prizes preference will be given to dissertations which exhibit original work, but if no dissertation is considered worthy of a prize, the award may be withheld.

Each dissertation must bear in place of its author's name some sentence or device, and must be accompanied by a sealed packet bearing the same sentence or device, and containing within the author's name and residence. *Any clew by which the authorship of a dissertation is made known to the Committee will debar such dissertation from competition.*

Dissertations must be printed or typewritten, and their pages must be bound in book form.

All unsuccessful dissertations are deposited with the Secretary, from whom they may be obtained, with the sealed packet unopened, if called for within one year after they have been received.

By an order adopted in 1826, the Secretary was directed to publish annually the following votes:—

1. That the Board do not consider themselves as approving the doctrines contained in any of the dissertations to which premiums may be adjudged.
2. That in case of publication of a successful dissertation, the author be considered as bound to print the above vote in connection therewith.

The Boylston Medical Committee is appointed by the President and Fellows, and consists of the following physicians: WILLIAM F. WHITNEY, M.D., *President*; HAROLD C. ERNST, M.D., *Secretary*; FRANZ PFAFF, M.D., THEOBALD SMITH, M.D., WILLIAM T. PORTER, M.D., FRANKLIN DEXTER, M.D., EDWARD H. NICHOLS, M.D.

The address of the *Secretary* of the Boylston Medical Committee is HAROLD C. ERNST, M.D., Harvard Medical School, Boston, Mass.

William H. Thorndike Prize.—A prize of two hundred dollars will be given annually to the author of the best essay on some subject in any branch of Surgery.

The students of the Harvard Medical School and graduates of under five years' standing of any recognized medical school are eligible in competition for this prize.

Each essay must bear in place of its author's name some sentence or device, and must be accompanied by a sealed packet bearing the same sentence or device, and containing within the author's name and residence. If the author is a graduate, it must also contain the date of his graduation in medicine and the medical school from which he was graduated. Any clew by which the authorship of an essay is made known to the judges will debar such essay from the competition.

The essays must be sent to the Dean of the Harvard Medical School, Longwood Avenue, Boston, Mass., U. S. America, on or before Novem-

ber 1 of each year, and the award will be made annually on December 24. If no essay is considered worthy of a prize, no award will be made.

Otological Prize.—For the best preparation illustrating the osseous anatomy of the ear or for the best thesis showing original work on an otological subject, a prize of twenty-five dollars is offered, open to fourth-year students.

Other Prizes.—The Bowdoin, Dante, Toppan and Sumner Prizes, offered by the Faculty of Arts and Sciences, are open to students in all departments of the University. Full particulars in regard to these prizes may be found in the University Catalogue.

COURSES FOR SPECIAL STUDENTS.

All courses, including laboratory courses, in the Harvard Medical School are open to persons not candidates for the degree of Doctor of Medicine; that is to say, to special students and to students in other Departments of the University. In order to be admitted to a course, the applicant must satisfy the head of the Department concerned of his fitness to pursue the work.

In addition, certain Departments offer courses, not a part of the regular curriculum, but specifically designed for special students; as follows:—

ANATOMY. Professor DWIGHT, Dr. J. WARREN, and Assistants.

(1) Course for artists, teachers, and others. (Essentially the regular first-year course with dissection.)

(2) Special instruction and opportunities for research.

PHYSIOLOGY. Professor CANNON.

Physiological Research.

COMPARATIVE PHYSIOLOGY. Professor PORTER.

Physiological Research.

BIOLOGICAL CHEMISTRY. Drs. ALSBERG and HENDERSON.

Biochemical Research.

PHARMACOLOGY. Professor PFAFF and Dr. TYRODE.

Pharmacological Research.

BACTERIOLOGY. Professor ERNST and Drs. FROTHINGHAM and PAGE.

(1) Elementary courses beginning at other times than October 1 and February 1, for groups of not fewer than four students.

(2) Advanced instruction to groups of not fewer than four students.

(3) Research course for advanced students. Desks will be assigned at any time.

CLINICAL PATHOLOGY. Assistant Professor WRIGHT.

- (1) Research in bacteriology and pathology.
- (2) Instruction in bacteriological and pathological technique and in diagnosis by laboratory methods.
- (3) Weekly demonstrations in pathological anatomy in conjunction with Dr. RICHARD C. CABOT, who will discuss the clinical aspects of the cases.

COMPARATIVE PATHOLOGY. Professor THEOBALD SMITH.

Research. Pathogenic micro-organisms of animal life.

HYGIENE. Professor HARRINGTON and Dr. MAGRATH.

- (1) Analysis of water and sewage.
- (2) Analysis of foods and the detection of adulterants.
- (3) Analysis of air and soils.
- (4) Inspection of meats and other foods.
- (5) Examination of disinfectants.
- (6) Research.

SURGERY. Professor BURRELL and Dr. HUBBARD.

- (1) Special courses in surgical technique.
- (2) Research.

These courses will be given in the Laboratory for Surgical Research that has been recently established under the direction of Professor BURRELL and Dr. HUBBARD. Application may be made to either of those gentlemen. The laboratory is equipped with the necessary apparatus for surgical operations on animals and special courses of an elementary character in the technique of operation can be provided, or opportunity for research work on surgical problems may be given to persons who are satisfactorily qualified.

HOURS AND FEES.

Applicants for the above courses should make arrangements as to time and fees with the respective heads of departments. They should then register and pay their fees at the Dean's office.

COURSES OF STUDY FOR GRADUATES.

The Faculty has arranged, for graduates of recognized medical schools, an improved plan of instruction, embracing nearly all the branches of practical and scientific medicine. It is designed to supply good opportunities for clinical and laboratory study.

The laboratories of the School are well equipped for practical work, and the clinical advantages offered by the hospitals of Boston furnish abundant material for all purposes of instruction. The following are the principal institutions :—

Massachusetts General Hospital,	Children's Hospital,
Boston City Hospital,	McLean Hospital (for the Insane),
Boston Dispensary,	Boston Insane Hospital,
Massachusetts Eye and Ear Infirmary,	Carney Hospital,
Boston Lying-in Hospital,	Free Hospital for Women.
Infants' Hospital,	

Instructors in the Medical School are members of the medical and surgical staffs of these institutions, to all of which students are admitted under their immediate supervision.

Instruction in the graduate courses is, with but few exceptions, entirely distinct from that of the undergraduate department of the School; but students of the former are admitted also to all the regular lectures (not clinical) of the latter, without extra charge, during their connection with the School.

Instruction is conducted in small classes and under the personal direction of the heads of departments.

Instruction is given throughout the academic year, October to June.

FEES.

The fees for the separate courses in the several departments vary from \$5 to \$125.

An extra fee is required for the use of material in laboratory, dissecting, and operative courses.

Graduates seeking admission to any of the graduate courses must first register their names at the Dean's office at the Medical School, where all fees are payable, and obtain a receipt to be shown at the first exercise.

For further information and full description of the courses and lectures for graduates, address Dr. WILLIAM L. RICHARDSON, *Dean*, Harvard Medical School, Longwood Avenue, Boston, Mass.

SUMMER COURSES OF INSTRUCTION.

During the summer of 1908, courses in many branches of practical and scientific medicine will be given by teachers in the School. These courses will be clinical in character and will be given at the Hospitals and Dispensaries by the physicians and surgeons on duty. Practical instruction will also be given in several of the Laboratories of the School by the instructors in charge. These courses are open only to graduate and undergraduate students of medical schools recognized by the Faculty of Medicine, and to such others as the Dean of the Faculty approves.

A list of the Summer Courses will be announced early in the Spring. For further information address Dr. WILLIAM L. RICHARDSON, *Dean*, Harvard Medical School, Longwood Avenue, Boston, Mass.

The following are the Courses provided in the Graduate Department for 1907-08.

SUBJECT.	INSTRUCTOR.	PLACE.	No. of Exer- cises.	TIME.*	FEE.
Anatomy					
1. Special Anatomy Instruction	Prof. Dwight	Medical School	..	Special	Special.
2. Anatomy of the Joints	Prof. Dwight	Medical School	12	Special	\$25.
3. Topographical and Applied Anat.	Prof. Dwight	Medical School	12	Special	25.
4. Dissection Courses	Dr. J. Warren	Medical School	..	After Oct. 1	25.
5. Anatomy of Nose and Throat	Dr. Mosher	Medical School	12	Special	25.
6. Genito-Urinary Anatomy, Male	Dr. Flagg	Medical School	5	After Feb. 1	25.
7. Surgical Anatomy of Abdomen	Dr. Cheever	Medical School	6-8	Feb., Mar., April	25.
Comparative Anatomy					
8. a. Comparative Anatomy	Prof. Minot and Dr. Williams	Medical School	43	Oct., Nov.	30.
b. Comparative Anatomy	Prof. Minot and Dr. Williams	Medical School	43	Dec., Jan.	30.
c. Comparative Anatomy	Prof. Minot and Dr. Williams	Medical School	43	Feb., Mar.	30.
d. Comparative Anatomy	Prof. Minot and Dr. Williams	Medical School	43	Apr., May	30.
9. a. Cytology	Prof. Minot and Dr. Williams	Medical School	43	Oct., Nov.	30.
b. Cytology	Prof. Minot and Dr. Williams	Medical School	43	Dec., Jan.	30.
10. Elementary Embryology	Profs. Minot and Lewis, and Dr. Bremer	Medical School	43	Feb., Mar.	30.
11. Proresearch Embryology		Medical School	43	Apr., May	30.
12. Histology		Medical School	43	Apr., May	30.
Physiology					
13. Detailed Study in Physiology	Prof. Cannon	Medical School	43	Oct. to May	Special.
14. Investigation in Physiology	Prof. Cannon	Medical School	43	Oct. to May	Special.

Comparative Physiology						
15. Experimental Work in Physiology	Prof. Porter	Medical School	..	Oct. to May	Special.	
Biological Chemistry						
†16. Advanced Biological Chemistry	Drs. Alsberg and Henderson	Medical School	..	Special	Special.	
†17. Technique of Metabolism Investigation	Drs. Alsberg and Henderson	Medical School	..	Special	Special.	
†18. Research in Biological Chemistry	Drs. Alsberg and Henderson	Medical School	..	Special	Special.	
†19. Physical Chemistry in Med. Science	Dr. Henderson	Medical School	24	Special	Special.	
†20. Normal and Path. Metabolism	Dr. Alsberg	Medical School	24	Nov., Dec.	Special.	
Bacteriology						
†21. Research and General Laboratory Work in Bacteriology	Prof. Ernst	Medical School	..	Special	25.	
Pathology						
22. Research and General Laboratory Work in Pathology	Profs. Councilman, Mallory, and Wright	Med. Sch., Boston City & Mass. General Hosps.	..	Special	Special.	
23. Neuropathology	Prof. Southard	Danvers Insane Hospital	25	Oct.—June	25.	
Comparative Pathology						
†24. Research in Comparative Pathology	Prof. Smith	Medical School	..	Special	Special.	
Hygiene						
†25. Hygiene, general	Prof. Harrington	Medical School	..	Special	50.	
†26. Hygiene, special courses	Prof. Harrington	Medical School	..	Special	35.	

* Time includes months named. When time and fee are "special," arrangements must be made with the instructor.

† Women admitted.

SUBJECT.	INSTRUCTOR.	PLACE.	No. of Exercises.	TIME.*	FEE.
Pharmacology					
†27. Research in Pharmacology	Prof. Pfaff and Dr. Tyrode	Medical School	..	Special	Special.
Medicine					
†28. Diseases of Digestive Tract	Dr. Hewes	Mass. Gen. Hosp. and Medical School	12	Oct., Nov., Dec.	\$20.
†29. a. Clinical Pathology b. Clinical Pathology	Drs. Hewes and Adler Drs. Hewes and Adler	Medical School Medical School	40 + 40 +	Oct., Nov. Dec., Jan.	40. 40
†30. Clinical Medicine	Dr. Jackson	Mass. General Hospital	18	Jan.	15.
†31. a. Diseases of the Digestive Organs b. Diseases of the Digestive Organs c. Diseases of the Digestive Organs	Dr. White Dr. White Dr. White	B. C. H., O. P. D. B. C. H., O. P. D. B. C. H., O. P. D.	12 12 12	Nov. Dec. Dec.	15. 15. 15.
†32. Clinical Medicine	Dr. White	B. C. H., O. P. D.	27	Jan.	30.
†33. a. Clinical Diagnosis, Laboratory Methods and Therapeutics b. Clinical Diagnosis, Laboratory Methods and Therapeutics	Drs. White and Locke Drs. White and Locke	B. C. H., O. P. D. B. C. H., O. P. D.	26 26	Nov. Dec.	30. 30.
†34. Medical Research	Dr. Pratt	Medical School	..	Oct.—Jan.	Special.
†35. a. Clinical Medicine b. Clinical Medicine	Dr. Locke Dr. Locke	B. C. H., O. P. D. B. C. H., O. P. D.	24 24	Nov. Dec.	25. 25.
Surgery					
36. General Surgery of Children, 8 courses	Prof. Burrell, Drs. H. W. Cushing and J. S. Stone	Children's Hospital	30	Oct.—May	25.
37. Surgical Pathology	Asst. Prof. Nichols	Med. Sch., and B. C. H.	20 +	Jan.	25.

	Asst. Prof. Nichols	Medical School	..	Nov. to March	Special.
38. Research in Surgical Pathology	Dr. Paul Thorndike	Boston City Hospital	48 +	Feb., March	25.
†39. a. Genito-Urinary Surgery b. Genito-Urinary Surgery	Dr. Paul Thorndike	Boston City Hospital	48 +	Apr., May	25.
40. Major Surgery	Dr. J. B. Blake	Boston City Hospital	20 +	Jan. 1 to Aug. 1, Sep.	25.
41. Major Surgery	Drs. Harrington and Codman	Mass. General Hospital	20	Oct.—Jan.	25.
42. a. Diseases of Rectum and Anus b. Diseases of Rectum and Anus	Dr. Faulkner	B. C. H. and Med. Sch.	12	Oct.	25.
	Dr. Faulkner	B. C. H. and Med. Sch.	12	Nov.	25.
43. Abdominal Surgery	Dr. Lund	Boston City Hospital	24	Oct.—Jan.	25.
44. Surgery of the Joints	Dr. Codman	Mass. General Hospital	24	Dec.	25.
†45. Abdominal Surgery	Dr. Hubbard	Medical School		Oct. to June	Special.
†46. a. Minor Surgery b. Minor Surgery c. Minor Surgery d. Minor Surgery	Dr. Hubbard	Boston City Hospital	24 +	Sept.	25.
	Dr. Hubbard	Boston City Hospital	24 +	Nov.	25.
	Dr. Hubbard	Boston City Hospital	24 +	Dec.	25.
	Dr. Hubbard	Boston City Hospital	24 +	Jan.	25.
†47. a. Major Operative Surgery b. Major Operative Surgery c. Major Operative Surgery d. Major Operative Surgery e. Major Operative Surgery	Dr. Crandon	Boston City Hospital	20 +	Sept.	20.
	Dr. Crandon	Boston City Hospital	20 +	Nov.	20.
	Dr. Crandon	Boston City Hospital	20 +	Dec.	20.
	Dr. Crandon	Boston City Hospital	20 +	April	20.
	Dr. Crandon	Boston City Hospital	20 +	May	20.
†48. a. Fractures and Dislocations b. Fractures and Dislocations c. Fractures and Dislocations d. Fractures and Dislocations e. Fractures and Dislocations	Dr. Crandon	Boston City Hospital	12 +	Sept.	20.
	Dr. Crandon	Boston City Hospital	12 +	Nov	20.
	Dr. Crandon	Boston City Hospital	12 +	Dec.	20.
	Dr. Crandon	Boston City Hospital	12 +	April	20.
	Dr. Crandon	Boston City Hospital	12 +	May	20.
†49. a. Genito-Urinary Surgery b. Genito-Urinary Surgery	Dr. Crandon	Boston City Hospital	24 +	Oct.	20.
	Dr. Crandon	Boston City Hospital	24 +	Jan.	20.
50. Major Oper. Technique on Animals	Dr. Cheever	Special	..	Special	25.

* Time includes months named. When time and fee are "special," arrangements must be made with the instructor.

† Women admitted.

‡ Women admitted conditionally.

SUBJECT.	INSTRUCTOR.	PLACE.	No. of Exer- cises.	TIME.*	FEE.
51. General Surgery	Drs. Munro and Bottomley	Carney Hospital	24	Throughout year	\$25.
†52. General Surgery	Drs. Scudder and Davis	Mass. General Hospital	24+	Feb. to June	25.
53. a. Clinical and Operative Surgery	Dr. F. Cobb	Mass. General Hospital	48+	Oct., Nov.	30.
b. Clinical and Operative Surgery	Dr. F. Cobb	Mass. General Hospital	48+	Dec., Jan.	30.
†54. Diagnostic Röntgen Radiology	Dr. Brown	Long Island Hospital	8	Oct. to May	25.
†55. Diagnostic Röntgenology	Dr. Brown	Carney Hospital	8	Oct. to May	25.
†56. Röntgen Therapeutics	Dr. Brown	Instructor's Laboratory	16	Special	25.
†57. Theory and Practice of the Röntgen Ray, 8 courses	Dr. Brown	Instructor's Laboratory	15	Oct.—May	25.
Orthopedic Surgery					
†58. General Orthopedic Surgery, 4 courses	Profs. Bradford & Nichols, Drs. Lovett, Goldthwait, Pratt, Thorndike, Osgood, Soutter, Brown, & George	Children's Hospital Mass. General Hospital Carney Hospital	24+	Oct.—May	50.
Obstetrics					
59. Clinical Obstetrics, 8 courses	The Department Staff	Boston Lying-in Hosp.	26	Oct.—May	25.
60. Clinical Obstetrics, 8 courses	Address Prof. C. M. Green	Boston Lying-in Hosp.	..	Special	25.
61. Operative Obstetrics, 8 courses	The Department Staff	Medical School	5	Oct.—May	25.
62. Clinical and Operative Obstetrics	Address Prof. C. M. Green	Boston Lying-in Hosp. and Medical School	..	Oct.—May	25.
Gynaecology					
63. A Gynaecology, 8 courses	Prof. C. M. Green, Drs.	Boston City Hospital	12	Oct.—May	25.
B Gynaecology, out-patient, 8 courses	Newell, Young, Friedman and Mason	Boston City Hospital	26	Oct.—May	25.
A and B Gynaecology		Boston City Hospital	26	Oct.—May	25.

†64. Gynaecology	Dr. Storer	Boston Dispensary	12	June	25.
†65. Gynaecology	Dr. Storer	St. Elizabeth's Hospital	12	Oct.—Dec.	25.
†66. Operative Gynaecology	Dr. Storer	Carney Hospital	15	Jan.—Mar.	25.
67. Clinical Gynaecology	Dr. Graves	Free Hospital for Women	12	Oct.—June	25.
68. Gynaecological Pathology	Dr. Graves	Free Hospital for Women	..	Oct.—June	Special.
†69. Pediatrics, 8 courses	Prof. Rotch, McCollom, & Morse, Drs. Craigin, Ladd, Dunn, and Bowditch	Infants', Children's & Boston City Hospital	26	Oct.—May	25.
Dermatology					
70. Dermatology, 4 courses	Prof. Bowen, Drs. White, Towle and Burns	Mass. General Hospital	24	Oct.—May	25.
71. Advanced Dermatology, 4 courses	Prof. Bowen, Drs. White, Towle and Burns	Mass. General Hospital	48	Oct.—May	50.
Syphilis					
72. Syphilis, 2 courses	Asst. Prof. Post and Dr. C. M. Smith	Boston Dispensary	24	Oct., Nov., Dec., Jan.	25.
Neurology					
†73. Advanced Clinical Neurology	Prof. Putnam, Drs. Taylor and Waterman	Mass. General Hospital	..	Oct.—June	15.
†74. Clinical Neurology	Prof. Putnam	Mass. General Hospital	24+	Oct.—June	20.
†75. Clinical Neurology	Dr. Taylor	Mass. General Hospital	24+	Oct.—June	20.
†76. Clinical Neurology	Dr. Waterman	Mass. General Hospital	24+	Oct.—June	20.
†77. Clinical Neurology	Dr. Knapp	Boston City Hospital	24+	Feb.—June	20.
†78. Laboratory and Clinical Neurology	Dr. Taylor	Med. Sch., Mass. Gen. & Long Island Hosps.	..	Oct.—June	50-75.
Psychiatry					
79. Psychiatry	Drs. Cowles, Tuttle and Noyes	McLean and Boston Insane Hospitals	..	Oct.—May	25.

* Time includes months named. When time and fee are "special," arrangements must be made with the instructor.

† Women admitted.

SUBJECT.	INSTRUCTOR.	PLACE.	No. of Exer- cises.	TIME.*	FEE.
Otology					
80. Research in Otology	Prof. Blake		..	Sept.—May	Special.
†81. Operative Otology	Dr. Hammond	Eye and Ear Infirmary	25	Feb.—Apr.	\$25.
82. Oper. Surg. of Temp. Bone	Dr. Walker	Medical School		Special	25.
Ophthalmology					
83. Ophthalmology	Asst. Prof. Standish and Dr. Jack	Mass. Charitable Eye and Ear Infirmary	48 +	Feb. and March	50.
84. Ophthalmology, 2 courses	Dr. Quackenboss	M. C. E. and E. I.	26	Oct., Nov.	25.
85. Ophthalmology	Dr. Clap	M. C. E. and E. I.	24 +	Dec.—March	30.
86. Ophthalmology	Dr. Spalding	M. C. E. and E. I.	..	Special	25.
Laryngology and Rhinology					
87. Laryngology and Rhinology, 2 courses	Prof. Coolidge, Drs. Cobb, Goodale, and Mosher	Mass. General Hospital	48	Oct., Nov., Dec., Jan.	25.
†88. Laryngology and Rhinology, 2 courses	Prof. Coolidge, Drs. Clark and Mosher	Mass. General Hospital	24	Feb.—March	20.
†89. Laryngology and Rhinology, 2 courses	Prof. Coolidge, Drs. Clark and Goodale	Mass. General Hospital	24	Apr.—May	20.
†90. a. Adenoid and Tonsil Operations	Prof. Coolidge, Drs. Clark, Goodale, and Mosher	Mass. General Hospital	8 +	Feb.	10.
b. Adenoid and Tonsil Operations	Prof. Coolidge, Drs. Clark, Goodale, and Mosher	Mass. General Hospital	8 +	March	10.
c. Adenoid and Tonsil Operations	Prof. Coolidge, Drs. Clark, Goodale, and Mosher	Mass. General Hospital	8 +	April	10.
d. Adenoid and Tonsil Operations	Prof. Coolidge, Drs. Clark, Goodale, and Mosher	Mass. General Hospital	8 +	May	10.

* Time includes months named. When time and fee are "special," arrangements must be made with the instructor.
† Women admitted.

TABULAR VIEW
OF
SUMMER COURSES OF INSTRUCTION

SUMMER COURSES OF INSTRUCTION PROVIDED IN 1907

No.	Subject	Instructor	Place	No. of Exer- cises	Begins	Ends	Days	Hour	Fee
Anatomy									
1	Anatomy of Nose and Throat	Dr. Mosher	Medical School	12	July 1	Aug. 31	Special	..	\$25
2	An. of female genito-urinary organs	Dr. Wadsworth	Medical School	5	July 1	Aug. 31	M.Tu.W.Th.F.	10-12	20
3	Surgical Anatomy of Abdomen	Dr. Cheever	Medical School	6	June 1	Sept. 29	..	..	25
Histology and Embryology									
4	Element. Histology & Embryology	Dr. Lewis	Medical School	20	July 1	July 26	Daily	2-6	20
Physiology									
5	Practical Physiology	Prof. Cannon	Medical School	26 22	July 1 July 1	July 31 July 31	Daily Daily	9-5 2-5	40 25
Biological Chemistry									
6	Research in Biological Chemistry	Dr. Alsberg	Medical School	..	..	..	..	..	..
7	Biological Chemistry	Messrs. Black and McCrudden	Medical School	22	July 1	July 31	M.Tu.W.Th.F.	2-6	25
Bacteriology									
8	Bacteriology	Dr. Page	Medical School	22	July 1	July 31	M.Tu.W.Th.F.	..	30
9	Bacteriology	Dr. Perry	Medical School	22	Aug. 1	Aug. 31	M.Tu.W.Th.F.	..	30
10	Infect. Diseases of Animals	Dr. Frothingham	Medical School	..	..	..	Special	..	50
11	Technique of Opsonic Index	Dr. Floyd	Medical School	24	June 8	June 29	Daily	9-12	30

Pathology											
12	a.	Gross and Microscop. Pathology	Drs. Wolbach and Robertson	Medical School	23	July	1 July	31 Daily		2-6	25
	b.	do.	do.	do.	23	Aug.	1 Aug.	31 Daily		2-6	25
13	a.	Path. Anat. and Autop. Techn.	Dr. Richardson	Mass. Gen. Hosp.	31	July	1 July	31 Daily		9-5	35
	b.	do.	do.	do.	31	Aug.	1 Aug.	31 Daily		9-5	35
Hygiene											
14		Exam. of Drinking Water	Prof. Harrington	Medical School	••	••	••	••		••	50
15		Exam. of Foods and Drugs	Prof. Harrington	Medical School	••	••	••	••		••	50
Pharmacology & Therapeutics											
16		Pharmacology and Therapeutics	Dr. Tyrode	Medical School	8	Sept.	2 Sept.	18 M. W. F.		4-6	25
Medicine											
17		Clinical Medicine	Dr. Vickery	Mass. Gen. Hosp.	23	July	1 July	31 M. Tu. W. F. S.		10-12	20
18	a.	Clinical Medicine	Dr. Jackson	City Hospital	14	July	1 July	31 M. W. F.		9½-11½	20
	b.	do.	do.	do.	14	Aug.	1 Aug.	31 M. W. F.		9½-11½	20
19	a.	Phys. and Clin. Diagnosis	Dr. R. C. Cabot	Mass. Gen. Hosp.	27	June	10 July	11 Daily		10½-1½	60
	b.	do.	do.	do.	27	July	11 Aug.	10 Daily		10½-4½	60
20	a.	Physiological Therapeutics	Dr. R. C. Cabot	Mass. Gen. Hosp.	26	June	10 July	11 Daily		9½-10½	25
	b.	do.	do.	do.	26	July	11 Aug.	10 Daily		9½-10½	25
21	Relation of Clinical Diagnosis to Post-Mortem Findings			Mass. Gen. Hosp.	8	June	10 Aug.	10 F.		3-5	10
22	Diseases of Digestive Tract			Mass. Gen. Hosp.	20	July	1 July	31 M. Tu. W. Th. F.		9-11	30

No.	Subject	Instructor	Place	No. of Exer- cises.	Begins	Ends	Days	Hour	Fee
Medicine (<i>continued</i>)									
23	Diseases of the Digestive Organs	Dr. White	City Hospital	12	June 3	June 29	..	10-12	15
24	Dietetics & Diseases of Metabolism	Dr. White	City Hospital	12	June 3	June 29	..	10-12	15
25	Clinical Medicine	Dr. Smith	Mass. Gen. Hosp.	25	June 1	June 31	Daily	..	30
26	Clinical Medicine	Dr. Smith	Mass. Gen. Hosp.	12	July 1	July 31	Tu. Th. F.	..	25
27	a. Clinical Medicine	Dr. Pratt	Mass. Gen. Hosp.	26	July 1	July 31	Daily	9-1	30
	b. do.	do.	do.	26	Aug. 1	Aug. 31	Daily	9-1	30
	c. do.	do.	do.	26	Sept. 2	Sept. 30	Daily	9-1	30
28	Therapeutics, Clinical Diagnosis and Laboratory Methods	Dr. Lord	Mass. Gen. Hosp.	25	June 1	June 29	Daily	9-4	50
29	a. Clinical Pathology	Dr. Adler	Medical School	20	July 1	July 26	M.Tu. W.Th. F.	2-5	25
	b. do.	do.	do.	20	Aug. 5	Aug. 30	M.Tu. W.Th. F.	2-5	25
30	a. Lab. Courses in Clin. Diag.	Dr. Overlander	Medical School	22	June 1	June 30	M.Tu. W.Th. F.	..	25
	b. do.	do.	do.	22	July 1	July 31	M.Tu. W.Th. F.	..	25
	c. do.	do.	do.	22	Aug. 1	Aug. 31	M.Tu. W.Th. F.	..	25
	d. do.	do.	do.	22	Sept. 2	Sept. 30	M.Tu. W.Th. F.	..	25
Pediatrics									
31	Pediatrics	Dr. Morse	Infants' Hospital	12	June 3	June 28	M. W. F.	9-12	20
32	Pediatrics	Drs. Morse and Dunn	Children's Hosp. & Infants' Hosp.	27	Aug. 1	Aug. 31	Daily	9-1	50
33	Pediatrics	Dr. Ladd	Infants' Hospital	13	June 4	June 29	Tu. Th. S.	11	20
34	Pediatrics	Dr. Dunn	Infants' Hospital	26	July 1	July 31	Daily	9-1 3-6	50

35	a. Pediatrics b. do.	Dr. Bowditch do.	Children's Hosp. do.	12 12	June Sept.	4 June 29 3 Sept. 28	Tu. Th. S. Tu. Th. S.	11 11	20 20
36	Pediatrics	Dr. George	Children's Hosp.	13	Aug.	1 Aug. 31	M. W. S.	3-5	25
Surgery									
37	a. Major, Clinical and Operative Surgery, with, during July, Surgical Pathology b. do. c. do. d. do.	Drs. Lund and Nichols do. do. do.	City Hospital do. do. do.	24 24 24 24	June July Aug. Sept.	3 June 29 1 July 31 1 Aug. 31 2 Sept. 30	Daily Daily Daily Daily	10-12 10-12 10-12 10-12	25 25 25 25
38	Major Surgery, Pathology, Diag- nosis, Operative Technic and After Treatment	Drs. Mumford and Greenough	Mass. Gen. Hosp.	24	July	1 Sept.	29 Daily	9-12	25
39	a. Major Surgery b. do. c. do.	Dr. Blake do. do.	City Hospital do. do.	20 20 20	June July Sept.	3 June 29 1 July 31 2 Sept. 30	M. Tu. W. Th. F. M. Tu. W. Th. F. M. Tu. W. Th. F.	. . . . . .	25 25 25
40	a. General Surgery b. do. c. do. d. do.	Drs. Porter and Jones do. do. do.	Mass. Gen. Hosp. do. do. do.	25 25 25 25	June July Aug. Sept.	1 June 29 1 July 31 1 Aug. 31 2 Sept. 30	Daily Daily Daily Daily	10-1 10-1 10-1 10-1	25 25 25 25
41	Major Surgery	Dr. Lothrop	City Hospital	26	Sept.	2 Sept. 30	Daily	10	25
42	General Surgery	Dr. Munro	Carney Hospital	26	June	1 Sept. 29	Daily	9-12	25
43	a. Genito-Urinary Surgery b. do.	Dr. Thorndike do.	City Hospital do.	26 26	July Aug.	1 July 31 1 Aug. 31	Daily Daily	10-12 10-12	15 15
44	a. Gen. Surgery of Children b. do. c. do. d. do.	Dr. Stone and volunteer assistant surgeons do. do. do.	Children's Hosp. do. do. do.	30 30 30 30	June July Aug. Sept.	1 June 30 2 July 31 1 Aug. 31 1 Sept. 29	Daily Daily Daily Daily	. . . . . . . .	25 25 25 25

No.	Subject	Instructor	Place	No. of Exer- cises	Begins	Ends	Days	Hour	Fee
45	Minor Surgery and Major Surgical Diagnoses in Women and Child'n	Dr. Codman	Mass. Gen. Hosp.	20	June 1	Aug. 31	Daily	10.30- 12.30	20
46	Technique of Major Operative Sur- gery on Animals	Dr. Chcever	Medical School	4	..	..	..	..	20
47	Genito-Urinary Surgery	Dr. O'Neil	Boston Dispensary	25	June 1	June 29	Daily	9 $\frac{1}{2}$ -1	25
48	a. Genito-Urinary Diseases	Dr. Perry	Boston Dispensary	26	July 1	July 31	Daily	9 $\frac{1}{2}$ -12 $\frac{1}{2}$	25
	b. do.	do.	do.	26	Aug. 1	Aug. 31	Daily	9 $\frac{1}{2}$ -12 $\frac{1}{2}$	25
	c. do.	do.	do.	26	Sept. 2	Sept. 30	Daily	9 $\frac{1}{2}$ -12 $\frac{1}{2}$	25
49	a. Surgical Diagnostic Radiology	Dr. Brown	Carney Hospital	12	June 1	June 29	M. W. F.	10	25
	b. do.	do.	do.	12	July 2	July 30	M. W. F.	10	25
	c. do.	do.	do.	12	Sept. 3	Sept. 28	M. W. F.	10	25
50	a. Surgical Diagnostic Radiology	Dr. Brown	Long Island Hosp.	16	June 1	June 30	Th.	10-3	20
	b. do.	do.	do.	16	July 2	July 31	Th.	10-3	20
	c. do.	do.	do.	16	Sept. 3	Sept. 29	Th.	10-3	20
51	a. Theory and Practice of the Roentgen Ray	Dr. Brown	Instructor's Lab.	15	June 1	June 29	M. W. F.	8 P.M.	25
	b. do.	do.	do.	15	July 2	July 30	M. W. F.	8 P.M.	25
	c. do.	do.	do.	15	Sept. 3	Sept. 28	M. W. F.	8 P.M.	25
	Orthopedic Surgery								
52	a. Orthopedic Surgery	Prof. Bradford, and Drs. Lovett, Brackett, Goldthwait, A. Thorne- dike, Dane, Nichols, Osgood, Soutter, Pratt, Brown, Böhm & George	Children's Hosp. Boston Dispensary, Warren Museum, Carney Hospital, Mass. Gen. Hosp.	26	June 1	June 30	Daily	..	50
	b. do.	do.	do.	26	July 1	July 31	Daily	..	50

Obstetrics		Dr. Swain, assisted by Drs. Friedman and Torbert.	Lying-in Hospital	.	May 1	Oct. 1	Daily	.	30
53	Clinical Obstetrics								
54	a. Clinical Obstetrics	Dr. DeNormandie	Lying-in Hospital	26	June 1	June 29	Daily	11	20
	b. do.	Dr. Swain	do.	26	July 1	July 31	Daily	11	20
	c. do.	do.	do.	27	Aug. 1	Aug. 31	Daily	11	20
	d. do.	Dr. Torbert	do.	25	Sept. 2	Sept. 29	Daily	11	20
Gynaecology									
55	Diagnosis and Treatment	Dr. Young	City Hospital	12	June 1	Aug. 31	Daily	9½	30
56	Gynaecology	Dr. Friedman	City Hospital	13	July 2	July 31	Tu. Th. S.	10-12	25
57	Gynaecology — Diagnosis and Treatment	Dr. Friedman	City Hospital	12	Sept. 3	Sept. 29	M. W. F.	9½	30
58	a. Minor Gynaecology	Dr. Mason	City Hospital	13	June 1	June 29	Tu. Th. S.	9½	25
	b. do.	do.	do.	13	Aug. 2	Aug. 30	Tu. Th. S.	9½	25
	c. do.	do.	do.	13	Sept. 1	Sept. 29	Tu. Th. S.	9½	25
Dermatology & Syphilis									
59	a. Clinical Dermatology	Dr. White	Mass. Gen. Hosp.	26	June 1	June 29	Daily	9-12	25
	b. do.	do.	do.	26	July 1	July 31	Daily	9-12	25
	c. do.	do.	do.	26	Sept. 2	Sept. 30	Daily	9-12	25
60	Clinical Dermatology	Dr. Burns	Mass. Gen. Hosp.	13	Aug. 1	Aug. 30	Daily	9-12	25
Ophthalmology									
61	a. Clinical and Operative Ophthal.	Dr. Quackenboss	Eye and Ear Inf.	26	Aug. 1	Aug. 31	Daily	9-12	25
	b. do.	do.	do.	26	Sept. 1	Sept. 29	Daily	9-12	25
62	a. Clinical Ophthalmology	Dr. Spalding	Eye and Ear Inf.	13	July 1	July 31	M. W. F.	9½	25
	b. do.	do.	do.	14	Aug. 1	Aug. 31	M. W. F.	9½	25

No.	Subject	Instructor	Place	No. of Exer- cises	Begins	Ends	Days	Hour	Fee
Otology									
63	Research in Otology	Prof. Blake	..	..	June 1	July 31	..	..	..
64	a. Operative Otology	Dr. Crockett	Eye and Ear Inf.	26	May 1	May 31	Daily	..	25
	b. do.	do.	do.	26	June 1	June 30	Daily	..	25
	c. do.	do.	do.	26	July 1	July 31	Daily	..	25
65	a. Clinical Otology	Dr. Walker	Eye and Ear Inf.	26	June 1	June 30	Daily	9-11	25
	b. do.	do.	do.	26	July 1	July 31	Daily	9-11	25
66	a. Oper. Surg. of Temp. Bone	Dr. Walker	Medical School	12	June	June	..	..	25
	b. do.	do.	do.	12	July	July	..	..	25
Laryngology									
67	a. Laryngology	Drs. Clark, Goodale, or Greene	Mass. Gen. Hosp.	24	June 1	Sept. 30	Daily	10-12	15
	b. do.	do.	do.	24	July 1	July 31	Daily	10-12	15
	c. do.	do.	do.	24	Aug. 1	Aug. 31	Daily	10-12	15
	d. do.	do.	do.	24	Sept. 1	Sept. 30	Daily	10-12	15
68	a. Rhinology and Laryngology	Dr. Coffin	City Hospital	24	June 1	July 31	M. W. F.	9-11	15
	b. do.	do.	do.	24	Aug. 1	Sept. 30	M. W. F.	9-11	15
Neurology									
69	a. Clinical Neurology	Dr. Baldwin	Mass. Gen. Hosp.	26	June 1	June 30	Daily	9-12	25
	b. do.	do.	do.	26	July 2	July 31	Daily	9-12	25
	c. do.	do.	do.	26	Aug. 1	Aug. 31	Daily	9-12	25

TABULAR VIEW
OF
UNDERGRADUATE COURSES

TABULAR VIEW OF UNDERGRADUATE COURSES.

FIRST YEAR — First Half-Year.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9-10	<i>October, January.</i> Anatomy. Lecture. <i>November, December.</i> Dissection and Demonstrations.	<i>Oct., Nov., Dec., Jan.</i> Anatomy. Lecture.	<i>Oct., Nov., Dec., Jan.</i> Anatomy. Lecture.	<i>October, January.</i> Anatomy. Lecture. <i>November, December.</i> Dissection and Demonstrations.	<i>Oct., Nov., Dec., 9-11.</i> Histology. <i>January, 9-11.</i> Anatomy. Lecture.	
10-1			<i>October.</i> Osteology. <i>November, December, January.</i> Dissection and Demonstrations.			<i>Oct., Nov., Dec., Jan. 11-1.</i> Anatomy. Lecture.
2-6			<i>January.</i> Brain and Special Sense Organs. Lectures, Demonstrations, and Recitations.			
2-2.30			<i>October, November, December.</i> Histology. Lecture.			
2.30-6			Histology. Laboratory.			

FIRST YEAR. — Second Half-Year.

PHYSIOLOGY. FEBRUARY.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9-10	Lecture or Demonstration.		Lecture or Demonstration.			
10-12	Laboratory Experiments.	10-10.15	Written Test.			10-1 Laboratory Experiments.
12-1	Written Test.	10.15-1	Laboratory Experiments.			

March, April, May.

9-10	Lecture or Demonstration.	Lecture or Demonstration.				
10-10.15	Laboratory Experiments.	Written Test.			10-12.15	Laboratory Experiments.
10.15-12	Laboratory Experiments.	10.15-12.15	Laboratory Experiments.			
12-1	Written Test.	12.15-1	Thesis or Demonstration.			

BIOLOGICAL CHEMISTRY.

2-3	Lecture. Daily except Saturday.					
3-6	Laboratory.	Laboratory and Conference.				Laboratory.

SECOND YEAR. — First Half-Year.

	OCTOBER.	NOVEMBER.	DECEMBER.		JANUARY.
9-12	Pathology. Laboratory.	1 week. Pathology. Laboratory. Daily.	2 and 3 weeks. Pathology of certain Parasitic Diseases. Laboratory. T. Smith. Daily.	9-10	Monday, Wednesday, and Friday. Surgery. Clinical Lecture. Nichols. B. C. H.
				9-12	Tuesday, Thursday, and Saturday.
				10.30-12	Monday, Wednesday, and Friday. Pathology. Laboratory.
12-1	Pathology. Lectures. Daily.			12-1	Pathology. Lectures. Daily.
2-3	Bacteriology. Lectures. Daily except Saturdays.		Pathology of the Nervous System. Laboratory. Southard.		Daily except Saturday. Surgical Pathology. Laboratory. Nichols.
3-5.30	Bacteriology. Laboratory. Daily except Saturdays.				

SECOND YEAR. — Second Half-Year.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
	M. G. H.	M. G. H.	B. C. H.	M. G. H.	M. G. H.	B. C. H.
9-10	Clinical Medicine Clinic Shattuck	Surgery Clinic M. H. Richardson	Surgery Clinic Lothrop	Theory & Practice Clinic Fitz	Surgery Clinic M. H. Richardson	Clinical Medicine Clinic Jackson
10-12	Section Work					Surgery Clinic J. B. Blake
1-3	Clinical Pathology					
3-4	Surgical Technique 6 lectures Lothrop Room 201	Theory & Practice. L. Fitz Room 201			Theory & Practice. L. Fitz Room 201	
4-5	Surgery. L. Room 201	Pharmacology. L. Pfaff	Pharmacology. L. Pfaff	Surgery. L. Room 201	Pharmacology. L. Pfaff	
5-6	Hygiene. L. Harrington	Surgery. L. Room 201	Hygiene. L. Harrington	Hygiene. L. Harrington	Surgery. R. Burrell Room 201	

THIRD YEAR. — First Half-Year.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
<i>Class Exercises</i> 9-10	Theory and Practice Clinic Cutler, M. G. II.	Clinical Medicine Clinic Jackson, B. C. II.	Clinical Medicine Clinic Shattuck, M. G. II.	Neurology Clinic Putnam, M. G. II.	Clinical Medicine Clinic Scars, B. C. II.	Clinical Medicine Clinic Shattuck, M. G. II.
10-11	Surgery Clinic M. H. Richardson M. G. H.	Clinical Surgery Clinical L. Burrell, B. C. II.	Dermatology Clinic Bowen, M. G. II.	Theory and Practice Clinic Fitz, M. G. II.	Pediatrics Clinical L. Rotch, C. II.	Theory and Practice Clinic Fitz, M. G. II.
<i>Sections</i> 11-1	Section Work.					
2-3						
3-4	Obstetrics. L. Green Room 205	Theory and Practice L. Fitz Room 201	Obstetrics Conference Swain Room 205	Obstetrics. L. Green Room 205	Theory and Practice L. Fitz Room 201	
4-5	Surgery. L. Room 201	<i>Oct., Nov.</i> Dermatology. L. Bowen Room 201 <i>Dec., Jan.</i> Syphilis. L. Post Room 205	Surgery. L. Room 201	Pediatrics. L. Rotch Room 205	Therapeutics. L. Pfaf	
5-6	<i>Oct., Nov.</i> Ophthalmology Standish <i>Dec., Jan.</i> Orthopedics Bradford Room 205	<i>Oct., Nov.</i> G.-U. Surgery. L. Thorndike <i>Dec., Jan.</i> Orthopedics Bradford Room 205	<i>Oct., Nov.</i> Ophthalmology Standish <i>Dec., Jan.</i> Orthopedics Bradford Room 205	Surgery. R. Burrell Room 201	Obstetrics. R. Newell Room 205	

THIRD YEAR. — Second Half-Year.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
<i>Class Exercises</i> 9-10	Neurology Clinic Putnam, M. G. H.	Clinical Medicine Clinic Bartol, B. C. H.	Neurology Clinic Putnam, M. G. H.	Clinical Medicine Clinic Sears, B. C. H.	Clinical Medicine Clinic Bartol, B. C. H.	Clinical Medicine Clinic Shattuck, M. G. H.
10-11	Surgery, Clinic M. H. Richardson M. G. H.	Clinical Surgery Clinical L. Burrell, B. C. H.	Dermatology Clinic Bowen, M. G. H.	Clinical Surgery Clinical L. Burrell, Gay, or Monks, B. C. H.	<i>Feb., Mar.</i> Pediatrics Clinical L. Rotch, C. H. Morse, No. Grove St. <i>Apr., May</i> Syphilis Clinical L. Post, B. D.	Theory and Practice Clinic Fitz, M. G. H.
<i>Sections</i> 11-1	Section Work.					
2-3	Municip. Sanita. Durgin Room 207		Psychiatry Cowles Room 201	Municip. Sanita. Durgin Room 207		
3-4	Obstetrics, L. Green Room 205		Obstetrics Conference Swain, Room 205	Obstetrics, L. Green Room 205	Obstetrics, R. Newell Room 205	Psychiatry Clinic Cowles, B.I.H.
4-5	Pediatrics, L. & R. Rotch, Morse Room 205	Pediatrics, L. & R. Rotch, Morse Room 205	Gynaecology L. or R. Green, Room 205	Laryngology Lecture Coolidge, Room 205	Gynaecology, L. Green Room 205	
5-6	Otology Lecture Blake, Room 205	Clinical Medicine Case Teaching R. C. Cabot Room 205	Clinical Medicine Case Teaching R. C. Cabot Room 205	Otology Lecture Blake, Room 205	Surgery Case Teaching J. B. Blake	

DEGREES

ON FEBRUARY 27, 1907, DEGREES WERE CONFERRED AS FOLLOWS:—

M.D.

James Joseph Cassidy.
 Arthur Nelson Collins, A.B. (*Univ. of Minn.*) 1902.
 John Edward Connelly.
 John Andrew Freese, A.B. (*Univ. of Illinois*) 1902.
 Thomas Joseph Maguire.
 Dennis Cornelius O'Leary, A.B. (*Holy Cross Coll.*) 1896.
 Walter Babcock Swift, A.B. 1901, S.B. 1903.

ON COMMENCEMENT DAY, JUNE 26, 1907, DEGREES WERE CONFERRED AS FOLLOWS:—

M.D.

Robert Warren Ashley, A.B. (*Univ. of Colorado*) 1904.
 James Bourne Ayer, Jr., A.B. 1903.
 Francis Goodell Barnum, A.B. (*Amherst Coll.*) 1901.
 William Janowsky Bernis, PH.B. (*Univ. of Rochester*) 1905.
 Alfred Varney Blackstone, PH.B. (*Brown Univ.*) 1903.
 Howard Parker Blanchard, A.B. (*Brown Univ.*) 1901.
 Austin Trafton Brant, A.B. (*Boston Univ.*) 1904.
 William Joseph Brickley.
 Lloyd Thornton Brown, A.B. 1903.
 John Bryant, Jr., A.B. 1903.
 Frederic Benjamin Mooers Cady, A.B. 1903.
 John William Cahill, A.B. (*Holy Cross Coll.*) 1903.
 Arthur Wyman Carr, A.B. (*Williams Coll.*) 1902, A.M. (*ibid.*) 1903.
 Charles Otis Chase, A.B. (*Brown Univ.*) 1903.
 Oscar Slade Creeley, S.B. (*Tufts Coll.*) 1903.
 Irving Taylor Cutter, A.B. 1903.
 Michael Andrew Dailey, A.B. (*Dartmouth Coll.*) 1904.
 Patrick Aloysius Devaney, A.B. (*Boston Coll.*) 1903.
 Edwin Lyon Draper, A.B. (*Univ. of Illinois*) 1902.
 Martin Joseph English, A.B. (*Holy Cross Coll.*) 1903.
 Archibald McKay Fraser, A.B. (*St. Francis Xavier's Coll.*) 1903.
 Cornelius Edward Geary, A.B. (*Holy Cross Coll.*) 1903.
 Harold Girard Giddings, A.B. 1901.
 Fred Augustus Higginbotham, S.B. (*Trinity Coll.*) 1902.
 Lawrence Richardson Hill, B.L. (*Dartmouth Coll.*) 1902.
 Arthur Brewster Holmes, A.B. 1896.

Albert Foster Hunt, PH.B. (*Brown Univ.*) 1899.
 Alfred Dow Long.
 Charles Anthony McDonald, PH.B. (*Brown Univ.*) 1903.
 Walter Ralph Mansfield.
 Earl Jerome Mathewson, A.B. (*Brown Univ.*) 1903.
 Otis Pope Mudge, A.B. (*Dartmouth Coll.*) 1903.
 Joseph William O'Connor, A.B. (*Holy Cross Coll.*) 1903.
 Sherman Perry, A.B. (*Colby Coll.*) 1901.
 Cadis Phipps, A.B. 1903.
 Mason Ross Pratt, A.B. 1904.
 John Evarts Rice, A.B. (*Boston Univ.*) 1903.
 Augustus Riley, A.B. (*Oberlin Coll.*) 1903.
 George Maurice Sheahan, A.B. 1902.
 Irving Sobotky, S.B. (*Amherst Coll.*) 1903.
 John Joseph Stack, A.B. (*Holy Cross Coll.*) 1902.
 Frederic Arthur Stanwood, A.B. (*Bowdoin Coll.*) 1902.
 Roy Eliot Sturtevant, A.B. 1901, S.B. 1902.
 Edward Augustine Supple, A.B. (*Boston Coll.*) 1903.
 Lawrence Clarke Swan, A.B. (*Dartmouth Coll.*) 1903.
 Charles Renough Vinal.
 Irving James Walker, A.B. 1903.

M.D. cum laude

Fred Harold Allen, A.B. (*Amherst Coll.*) 1902.
 Russell Thompson Congdon, A.B. (*Ripon Coll.*) 1903.
 Charles Orrin Day, Jr., A.B. (*Yale Univ.*) 1903.
 George Bourne Farnsworth, A.B. (*Bowdoin Coll.*) 1903.
 Donald Gregg, A.B. 1902.
 Torr Wagner Harmer, A.B. 1903.
 James Lincoln Huntington, A.B. (*Dartmouth Coll.*) 1902.
 James Payton Leake, A.B. 1903.
 Benjamin Foreman May, A.B. 1903.
 Francis Weld Peabody, A.B. 1903.
 Charles Maynard Richards, A.B. (*Leland Stanford Jr. Univ.*) 1903.
 Roy Angelo Sadler, A.B. 1904.
 Michael James Shaughnessy, A.B. (*Bowdoin Coll.*) 1903.
 Richard Mason Smith, A.B. (*Williams Coll.*) 1903.
 Lesley Hinckley Spooner, A.B. 1903.
 Charles Walter Waddell, A.B. (*West Virginia Univ.*) 1900.

ADMISSION EXAMINATION.

—◆—
JUNE, 1907.
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CHEMISTRY.

I

1. What are the properties of ammonium chloride, calcium chloride, silver chloride, mercuric chloride, cupric chloride?
2. Write the reactions: —
Sodium bi-carbonate + sulphuric acid (excess).
Sodium + hydrochloric acid.
Barium chloride + di-sodium phosphate.
3. What volume of sulphur dioxide can be obtained from one gram of sulphur? One liter of hydrogen weighs 0.09 gram. S = 32; O = 16.
4. Describe a commercial process for the manufacture of sulphuric acid.
5. What changes occur when metallic sodium is exposed to the air?

II

6. Give a list of useful flame tests.
7. How can the presence of sulphuric acid and phosphoric acid be proved in a solution containing sodium sulphate and di-sodium phosphate?
8. Describe the procedure by which the presence of copper is proved in routine qualitative analysis.

III

9. Write the constitutional formulas of methyl alcohol, ethylene, phenol (carboic acid), ethyl chloride, propane, hexane, aniline, glycerine.
10. What reaction is involved in the production of vinegar from wine or cider?
11. What are aldehydes, carbohydrates, ethers?
12. Explain the process of soap making.
13. Why is carbon believed to be quadrivalent?

EXAMINATION PAPERS.

(Annual Examinations, 1907.)

First Year Studies.

ANATOMY. — Professor DWIGHT.

1. Describe the orbit as it is in the skull.
2. Give the arrangement of the bones of the carpus and metacarpus.
3. Describe the diaphragm.
4. Describe the azygos system of veins.
5. Give the position and relations of the kidneys.
6. Describe the adenoid structures of the mouth and pharynx.
7. Give the course of a sensory impression, coming from the foot, from its entrance into the vertebral canal to the convolutions.
8. Describe the convolutions of the frontal lobe of the brain.

HISTOLOGY AND EMBRYOLOGY. — Professor MINOT.

[Each student is given three sections to correspond with the first three questions below. He is expected to make simple drawings only, but sufficient to show that he has correctly identified the parts. Any student who draws tissues or structures, not shown in his preparations, will be considered to have failed in all his answers.]

Questions 1, 2, 3, and 4 are for both Medical and Dental students.

1. Describe and draw the different kinds of epithelium in the organ.
2. What is the organ? What is the plane of section? Draw and describe the muscle fibres in longitudinal and cross section.
3. What is the organ? Trace the course of its secretion, drawing and describing each part of that course. Describe its bloody supply.
4. What is lymphoid tissue? In what organs is it chiefly found?

5. (*For Medical students only.*) (a) A man of 28 years was seized with violent abdominal pain, and died in 56 hours. The autopsy revealed a blind pouch, four inches long, arising from the small intestine three feet above the valve of the colon (ileo-caecal valve). In this special case the blind end of the pouch had become adherent to the mesentery, forming a ring, in which a loop of intestine was caught; thus the lumen of the intestine had become obstructed. How do you account, embryologically, for the occurrence of such a blind pouch?

(b) A nodule, about one half an inch in diameter, was removed surgically from the back of the tongue. Sections of the nodule contained many round follicles lined by simple cuboidal epithelium and containing colloid material staining intensely with eosine. What organ do these follicles suggest? How do you account, embryologically, for their occurrence in the tongue?

6. (*For Medical students only.*) What is neuroglia? Describe briefly its development and structure.

7. (*For Dental students only.*) By a series of drawings show the process of development of the enamel and dentine.

8. (*For Dental students only.*) From what germ layer come

- (a) adamantoblasts;
- (b) odontoblasts;
- (c) stellate reticulum.

What is the relation between the odontoblasts and the dentine?

- (1) during the development of the dentine;
- (2) in the adult tooth.

PHYSIOLOGY.—Professor W. B. CANNON.

[Answer any five questions. Mention, where possible, experimental evidence in support of your statements.]

1. Discuss the factors concerned in neuro-muscular fatigue.
2. Discuss the senses of taste and smell and their relations to each other.
3. Give in detail the events of a cardiac cycle.
4. Describe briefly the structure and function of the vasomotor system, giving experimental evidence.
5. Discuss the effects of the digestive secretions on one another.
6. Discuss the internal secretion of the supra-renal glands.

BIOLOGICAL CHEMISTRY.—Drs. ALSBERG and HENDERSON.

1. Give the constitutional formulas of formic acid, lactic acid, leucin, a pentose.
2. What are the differences, chemical and physical, between tri-olein and tri-stearin?
3. What are the differences, chemical and physical, between glucose and levulose?
4. What are the differences, chemical and physical, between egg albumin and gelatine?
5. Briefly discuss the chemical nature of haemoglobin.
6. Briefly discuss the transport of oxygen.
7. What is zymase? What was the significance of its discovery?
8. What are the lecithins?
9. What are the sources of energy in the course of starvation?
10. What is autolysis? Discuss its significance.
11. What are the most important forms of urinary nitrogen? What influences produce variations in their relative amounts?
12. What can you say about the fate of the aromatic complex of the proteid molecule in the body?
13. Discuss the elimination of sodium chloride by the kidney.
14. What food stuffs augment the excretion of uric acid?

Second Year Studies.**BACTERIOLOGY.**—Professor ERNST.

1. What is the difference between the higher and the lower bacteria?
2. Contrast Infection and Intoxication.
3. What is meant by "races" of bacteria? Use the tubercle bacillus as an illustration.
4. Give the methods for diagnosing the tetanus bacillus.

PATHOLOGY.—Professor COUNCILMAN.

1. (*a*) Discuss necrosis stating causes and changes which are produced in cells. (*b*) Character of fat necrosis. (*c*) With what pathological condition is fat necrosis associated?

2. (*a*) What do you mean by granulation tissue? (*b*) What cells are found in it? (*c*) Under what circumstances is it found?

3. Describe the conditions in the areas affected in hemorrhagic infarction of the kidney. Under what conditions of the circulation is hemorrhagic infarction of the lung found.

4. Discuss acute endocarditis. (*a*) What organisms most frequently cause it? (*b*) What valves are most frequently affected? (*c*) What conditions in the heart may follow recovery?

5. (*a*) What tumors may be found in the uterus? (*b*) Which of these give rise to metastases and in which lymph nodes are metastases most likely to be found?

6. Name structural and functional disorders ensuing upon "recovery" in cases of acute (*e. g.* meningococcal) meningitis.

7. (*a*) Sketch areas of degeneration in the cervical and in the lumbar spinal cord following a destructive lesion of one internal capsule. (*b*) What focus is earliest involved in a case of syringo myelia (sketch) and what is the function of the elements in this focus?

8. Tuberculosis of joints. Give cause, predisposing cause, usual site of original lesion, and method of extension.

9. Discuss the geographical distribution of animal parasites, and those conditions climatic and sociological which favor their dissemination.

10. Give the biology and pathological action of *Uncinaria* and *Trichinella*.

(*Write 9 and 10 on separate papers.*)

HYGIENE.—Professor HARRINGTON.

1. Discuss fully the wide seasonal fluctuations in infantile mortality and suggest methods of combatting their principal cause.

2. Mention the various ways in which diphtheria, typhoid fever, and scarlet fever are spread. What preventive measures should be taken when these diseases are tending to become epidemic?

3. What importance, if any, have temperature and humidity in disinfection by formaldehyde gas? Compare the germicidal efficiency of:—

- Creolin, 1 to 20,
- Carbolic acid, 1 to 40,
- Tricresol, 1 to 40,
- Absolute alcohol,
- Corrosive sublimate, 1 to 1000,
- Zinc chloride, 1 to 10.

4. Describe two methods of purifying water on a large scale, and two ways other than direct discharge into the ocean, lakes or rivers, of sewage disposal.

Third Year Studies.

MATERIA MEDICA AND THERAPEUTICS.—Professor PFAFF.

1. Action of pilocarpine, its uses and dangers.
2. Action of veratrine.
3. Action of arsenic and antimony.
4. Write prescriptions for the following, avoiding abbreviations, and give directions in full to the patient:—
 - (a) Amylnitrite;
 - (b) Homatropine;
 - (c) Carbolic acid;
 - (d) Squill;
 - (e) Acetanilide;
 - (f) Salicylic acid.
5. Indication of treatment in acute dilatation of the heart.
6. Give in detail the principles of the dietetic treatment of chronic Bright's disease.
7. Give the principles of treatment of a case of dilatation of the stomach due to benign obstruction of the pylorus.
8. Action of ergot, its uses and dangers.

THEORY AND PRACTICE.—Professor FIRZ.

1. The prognosis and treatment of influenza.
2. Discriminate between simple and malignant endocarditis.
3. The clinical significance of arteriosclerosis.
4. The symptoms and signs of an intra-thoracic tumor.
5. Indications for the appropriate treatment of functional disorders of the stomach.
6. The method of origin of an umbilical, fecal fistula.
7. The diagnosis and significance of mucous colitis.
8. The limitations to the medical treatment of diseases of the biliary tract.
9. The treatment of enlargement of the kidney.
10. The diagnostic significance of haematuria.

CLINICAL MEDICINE. — Professor SHATTUCK.

[Discuss these cases in the order in which they are arranged. Assume that symptoms not mentioned are wanting; but as omissions, intentional or not, may occur, state them if essential. The intelligent discussion of the case will have more weight than a hasty and inconclusive, though correct, diagnosis. Write out all prescriptions in full.]

CASE 1. — A widow of 54, mother of four children, is seen March 9th about 8 P.M. Her previous health has been good except that once in 1901 and again once in 1903 in Europe, she had severe, sudden, apparently causeless, pain at the pit of the stomach, lasting only an hour or two, without vomiting or sequelae of any kind. No physician was summoned.

For some months past she has suffered more or less from dyspepsia, but has been very active and has not sought advice. Yesterday evening, while at the theatre, she was seized with sudden, intense pain at the epigastrium with a feeling of distention. She went to the toilet room, slacked her clothes without relief, and returned home, sending for the doctor about midnight. He found her in intense pain with tenderness between the ensiform and navel, vomiting food eaten at dinner. Pulse and temperature, normal. One-fourth grain morphia hypodermic was given immediately, followed in an hour by $\frac{1}{8}$, and then another. The doctor stayed until four, and then left, having secured a nurse. The pain was merely dulled. At 5, one more $\frac{1}{8}$ of morphia was given but none since. The urine passed at midday had a gravity of 1031, with marked copper reduction in Fehling's solution. She states that she had had no polyuria or increased thirst; but that last summer for a time there was considerable irritation of the skin between the upper thighs. She has dozed through the day, but had little connected sleep. Pulse, 108; temperature 98.6. She is lying on the left side, and in order to turn sits up first, finding that in this way she can move with less pain. When lying on the back, she extends the legs. No jaundice. A fat abdomen, not distended, with more or less general tenderness, most marked above the navel on both sides. No tenderness in flanks. Chest negative. Vomiting has ceased.

Diagnosis? Prognosis? Treatment?

CASE 2. — Mr. C., a banker of 48, one of whose brothers died at 49 of apoplexy and two of Bright's disease, was treated 7 years ago for a supposedly chronic nephritis. Under the strain and worry of frequent urinary examinations and strictly limited diet he grew very morbid and gloomy. After a change of physicians, a cessation of the urinary examinations and a return to normal diet, the urine (previously albuminous) became normal and he went about his business as usual.

Six months ago, while travelling in Europe, he had to undertake the whole care of a friend very ill with cardiac disease, of which he subsequently died. Soon after his friend's death, Mr. C. began to think that he too had heart disease and consulted his physician (for the first time in 7 years) complaining chiefly of palpitation and dyspnoea on exertion. These symptoms were soon relieved by reassurance and 5-drop doses of the tincture of nux vomica, but he found himself utterly floored by slight worries or mistakes in business and soon gave up work and kept his room, sitting for hours moodily silent and apparently oblivious of his surroundings. His memory is rapidly failing. He feels the cold very much. No gastric symptoms, no dyspnoea. Sleeps well.

Examination (March 21st, 1907):—

The patient was very dull and stupid when seen and often failed to answer questions. The cardiac apex was in the 6th interspace, an inch outside the nipple, a strong, slow beat. The second sound at the apex was especially sharp. No murmurs. Lungs and abdomen normal. Slight oedema of the ankles. The urine is about 60 ounces in 24 hours and contains $\frac{1}{4}\%$ of albumen with hyaline, granular and fatty casts in moderate numbers. No sugar. The blood showed a well-marked leucocytosis. No anaemia. Temperature normal. Skin moist.

Diagnosis? Prognosis? Treatment?

CASE 3. — A neurotic lady, 55 years old, unmarried, is seen February 21st. Father died of tuberculosis forty-five years ago, mother of pernicious anaemia. Menopause ten years ago. Had rheumatic fever nine years ago. General health has always been good. A year ago had a severe attack of dizziness for which no cause could be found. This passed off after a day or two but since then she has complained of occasional feelings of dizziness, and has had some cardiac palpitation and a little shortness of breath on exertion. Nevertheless she has been unusually active during the last four or five months, but has felt very tired toward night. For the last three months she has had a short hacking cough, at times somewhat paroxysmal in character. Has raised a little glairy mucus. On January 26th, she awoke feeling tired and used up. After preparing her bath, she felt so weak and dizzy that she attempted to return to bed but fell "unconscious" just as she reached it. When found by a friend immediately after, she was found in a sitting posture supported by the bed; face markedly flushed, and her head bent sharply forward. Both arms were held extended with the fingers half flexed and rigid. No convulsive movements. She was apparently unconscious but rapidly revived and helped herself into bed. Since then she has had a poor appetite, occasional nausea and rare vomiting and felt very miserable, but kept about the house until ordered to bed by her family physician who first saw her a week later. The bowels have required laxatives. The cough has decidedly improved during the last few days. Since February 2d, when it was first taken, the temperature has run a regular course, varying between normal in the morning and $101\frac{1}{2}$ to 102 degrees in the afternoon. Pulse has varied between 90 and 100°.

The patient is a slightly anaemic looking woman, somewhat emotional, in good flesh, who is greatly exercised lest she may be a nuisance, owing to her illness, to the friends whom she is visiting. Tongue covered with a thick white coat. Breath somewhat offensive. Pharynx slightly reddened. The apex of the right lung is slightly dull on percussion with somewhat harsh respiration, but the normal limits are probably not exceeded. No râles. Heart normal. Examination of abdomen difficult owing to its thick walls, but the left side below the ribs appears a little fuller than the right, and there is an indistinct feeling of a doughy mass in the left hypochondrium. Knee jerks active. Physical examination otherwise negative. Urine: Sp. gr. 1026, high color, loaded with urates. No albumen, no sugar. Sputum negative. Blood: Hg. 70%. Leucocytes 5200. Red cells normal. No parasites. Widal test negative.

Diagnosis? Prognosis? Treatment?

PEDIATRICS.—Professor ROTCH.

[More credit will be given to an intelligent discussion of the case than to a correct diagnosis unsupported by such discussion.]

1. Discuss the following case and give the differential diagnosis, and the treatment:—

A girl 5½ months old had always been a perfectly well, breast-fed baby. About 5.45 A.M., September 6th, she suddenly began to cry and to put her hands on her abdomen. The crying continued for one-half hour or more. At about this time she had three movements consisting almost entirely of bright blood. After this she vomited two or three times. The character of the vomitus was not noted. From the history she evidently was somewhat collapsed for a short time after the onset of the pain. She was seen about 7.30 A.M. by a physician who examined the abdomen, but found nothing abnormal. He did not consider the condition an important one, although he watched the case very carefully afterward. She continued to have 7 or 8 small movements daily which consisted entirely of mucus and blood. The amount of blood, however, had steadily diminished. The movements contained no fecal matter. A bismuth mixture, which was ordered at the first visit, was vomited. There was no more vomiting until noon of September 8th, since then she had vomited almost constantly. She continued to take the breast well. She had had no more sharp attacks of pain, but had slept very little, moaning most of the time. She did not seem very sick until the 8th, and had noticed things and played a little that afternoon. The rectal temperature had been taken morning and evening and had never been over 100° F. The mother thought that she felt a bunch in the abdomen on the evening of the 7th, but both the mother and the doctor failed to find it the next morning. She was given two teaspoonfuls of castor oil the morning of the 8th and also several large injections of salt and water. She was seen at 9 P.M. September 8th.

Physical Examination.—She was well developed and nourished. There was slight pallor. The face was drawn and anxious. She noticed a little. The fontanelle was nearly level. The tongue was slightly dry. The heart and lungs showed nothing abnormal. The liver was palpable 3 cm. below the costal border. The spleen was not palpable. The level of the abdomen was somewhat below that of the thorax. An indefinite resistance was felt in the left lower quadrant. There was no muscular spasm, but a little tenderness in this region. The rest of the abdomen was negative. Rectal examination showed more resistance in the left half of the abdomen than in the right, but nothing at all definite. The extremities showed nothing abnormal. There was no enlargement of the peripheral lymph nodes. The temperature was 100.4° F., the pulse 180.

2. Compare the composition of human milk with that of cows' milk in reference to the percentage of fats, milk sugar, whey proteids, caseinogen and mineral matter.

3. Give the symptoms and diagnosis of pyloric stenosis.

4. Give the differential diagnosis between scarlet fever and measles, and state what complications and sequelae are characteristic in each disease.

5. State the different causes of infantile convulsions.

6. Give the symptoms and differential diagnosis of epidemic cerebro-spinal meningitis.

SURGERY.—Professor WARREN.

1. What is the gross pathological change in the deformity of knock-knee?
2. What symptoms serve to distinguish hemorrhage from shock?
3. Describe artificial respiration.
4. Describe the reduction of a dislocation of the hip on the dorsum of the ilium.
5. Prognosis of a fracture of the surgical neck of the humerus.
6. Effects on the human body of a .30 jacketed projectile at 200 yards.
7. Contraindications to a gastro-enterostomy.
8. Causes of acute pancreatitis.
9. Treatment of fracture-dislocation of the cervical spine.
10. Symptoms of internal hemorrhoids.

CLINICAL SURGERY.—Professor M. H. RICHARDSON.

The first case is for diagnosis, prognosis, and treatment. As thorough discussion may be given as time permits.

In the other cases the questions may be answered in a word, without discussion and without reasons.

1. A married woman of 52, after fifteen years of profuse flowing at the menstrual periods (for which curettage two years before had been of some benefit), began, six months ago, to feel abdominal discomfort. Three months ago her corsets were noticeably too tight. Two weeks ago the attending physician found the abdomen much enlarged. There was fluctuation, and, on percussion, a wave of transmission from side to side. There has been, from time to time, pain in the region of the gallbladder, without jaundice. The weight has been decreasing for some time, and there has been some oedema of the feet. The abdomen is symmetrically and enormously enlarged. There is dulness everywhere. Gentle percussion sends a wave from side to side. The urine is normal. Vaginal examination is negative. The general condition is fairly good—good enough to justify a laparotomy. The heart examination justifies the use of ether. In examining the heart the surgeon notices a small depression below the left nipple—a dimple caused by the drawing in of skin which is adherent to underlying tissues. The skin about the depression is thickened and infiltrated, with here and there small red nodules. At the bottom of the dimple there is a small ulcer, covered by a crust. The left axilla contains a few enlarged glands. The condition of the breast has existed, it is said, more than seven years.

Discuss the diagnosis, the prognosis, and the treatment.

2. A gentleman, 41 years of age, of good health, was thrown from his carriage, striking on his left shoulder. He was able to pick himself up and to make his way home, though the shoulder was useless and painful. There was much swelling and extensive ecchymosis. Without ether, manipulations of the shoulder were excessively painful. It was thought that crepitus could be felt. Under ether a bony mass could be felt under the coracoid process. Rotation of the humerus caused crepitus. The mass under the coracoid was unaffected by the rotation.

What is the diagnosis?

3. A married woman of 48, whose last child is five months old, has had for five years "digestive disturbances," with marked constipation. She was in good general health up to two months ago. She was able to do her own work. In September, 1906, she had an attack of severe pain (colic) in the left upper quadrant of the abdomen. The pain required for its control $\frac{1}{4}$ to $\frac{1}{2}$ grain of morphia. This attack lasted a few hours, and then, under morphia, subsided. In two weeks she had a similar attack; and from that time on the attacks became more frequent. In two, the temperature rose to 101° . There was tenderness in the right hypochondrium, but the pain was in the left. The patient has lost twenty pounds in weight. The urine is normal. With the pain there is always vomiting of ingested food, but with the vomiting there is no relief. There has been no jaundice. No tuberculosis or cancer in the family. The patient has had no serious illnesses. Heart and lungs are normal. The edge of the liver is perceptible and a tender tumor can be felt in close connection with it. The temperature is normal; pulse 80. There has been no attack for two weeks.

Would you operate or not?

What would you expect to find if you should operate?

OBSTETRICS.—Professor W. L. RICHARDSON.

1. On what signs and symptoms would you make a diagnosis of foetal death after the seventh month of pregnancy?

2. What are the dangers of a retro-displacement of the uterus as a complication of pregnancy? Describe treatment.

3. Describe briefly the mechanism of labor in a case of breech presentation; position S. L. A.

4. In the case of a multipara, who has delivered herself unattended after a labor of twelve hours, the baby is found to have a caput succedaneum over the anterior, superior angle of the right parietal bone. In what position was the baby's head arrested when the caput was formed?

5. The significance of the maternal and foetal pulse rate in the conduct of a labor case.

6. Early in the second stage of a secundipara the funis is found prolapsed; the head, presenting O. D. P., is lightly engaged and somewhat extended; the mother shows no signs of fatigue, and the funis is pulsating normally. Treatment?

7. A multipara, seen after two hours of active second-stage labor, is found to present the face, M. D. P. There has been no progress for an hour, and the condition of the mother indicates that labor ought to be terminated, although the foetal heart is still unaffected. Discuss your treatment.

8. What are the two chief types of pelvic contraction? In the minor cases of these contractions, not requiring delivery by Caesarean section, what are the operative measures of election in the two types respectively? Is the choice of operation affected by the primiparity or multiparity of the patient? If so, for what reason?

9. How would you treat the convalescence of puerperal eclampsia, and what would be your advice as to future pregnancy?

10. What are the symptoms of puerperal infection and how soon after delivery can they usually be detected? Treatment?

GYNAECOLOGY.—Professor GREEN

1. Urethritis in women: aetiology and treatment?
2. Complete procidentia uteri in aged women: what non-operative treatment may relieve symptoms and promote comparative comfort?
3. Salpingitis: exciting causes and symptomatology? Outline the non-surgical treatment.
4. In parametric infections by lymphatic or vascular route, how may the process terminate? What in general should be the treatment according to the stage of inflammation?
5. Carcinoma of the cervix uteri: varieties, symptoms, course, diagnosis? How would you decide in a given case whether or not to advise radical surgical treatment? In inoperable cases what palliative treatment is advisable?

DERMATOLOGY.—Asst. Professor BOWEN.

1. What are the important points of differential diagnosis between erysipelas and an acute dermatitis?
2. The treatment of psoriasis.
3. What are the characteristics and the course of cutaneous tuberculosis?
4. Describe a typical case of impetigo contagiosa, and give the outlines of its treatment.
5. Alopecia areata.

SYPHILIS.—Asst. Professor POST.

1. In the diagnosis of primary syphilis what is the value of multiple sores?
2. What is the character and diagnostic value of the satellite bubo?
3. What are the *general* characteristics of the syphilides?
4. Describe syphilitic alopecia.
5. A man has had syphilis for a year or a little longer. His wife has given birth to a baby now three days old. Neither wife nor baby have any signs of syphilis. Doubts have been expressed as to the propriety of allowing the mother to nurse the child. What is your advice?

NEUROLOGY.—Professor PUTNAM.

1. What is the character of the reflexes, motor paralyses, and sensory disturbance of the arms and legs, in a transverse lesion of the spinal cord, (1) at the level of the cervical enlargement; (2) at the level of the umbar enlargement?
2. A robust, healthy-looking Italian woman had suffered from severe frontal headaches for two weeks. These she could stand during the day, but at night the pain was more intense and kept her from sleep. Accompanying this symptom was nausea, sometimes causing vomiting, and an unsteadiness in gait, the patient saying that she could walk fairly well in

a broad street, but on a narrow walk she staggered from side to side and on several occasions had fallen. After the headaches had persisted for two weeks she noticed that her left eye-lid drooped and her face had a queer expression, but this she said she would not mind if only she could be rid of her pain, which medicine did not relieve for long.

While talking the patient sits pressing her hand to her forehead for relief. The face has a grotesque look which is largely due to the fact that she can not open the left eye nor close the right eye. The right half of the forehead can not be wrinkled and the right side of the mouth can be moved but little. Although there is ptosis of the left eye and the pupil is considerably dilated, the movements of the eye seem to be normal in all directions. Both pupils are regular in outline and react to light normally, and the fundus of both eyes is normal. The sensibility of the face and the strength of the masseter muscles seem normal. The hearing of the right ear is good, but on the left side is diminished, both to bone and air conduction. The movements of the tongue are normal and the heart sounds are regular and of good quality, the pulse rate being 84. The wrist-jerks are not exaggerated and the grasp is strong. The right knee-jerk is livelier than the left. The gait is unsteady in walking.

Two weeks later the patient complained of a sense of constriction about the waist and of weakness of the legs. She was also very hoarse. The changes which had taken place since the previous examination were the appearance of a band of anaesthesia around the right half of the abdomen. There was exaggeration of the knee-jerks of both sides, but especially the right, and ankle-clonus was present on the right side. There was also paralysis of the right vocal cord.

Diagnosis. Prognosis. Treatment.

PSYCHIATRY.—Dr. COWLES.

1. What is the "emotional tone," or "feeling tone," and its relation to organic conditions?

2. What is the significance of the terms "psychasthenia" and "neurasthenia" in their relations to each other and to the melancholia-mania group of psychoses?

3. Describe, briefly, "dementia praecox" in its principal forms.

4. CASE.—A woman; married; age 44 years when admitted to hospital in 1898 as a voluntary patient; mother was in a hospital for the insane late in life,—otherwise no heredity; general health good. At age of 38, after death of her mother, mentally depressed for two weeks, saying nobody cared for her,—at times depressed afterwards, but not without cause. In May, 1896, husband committed suicide; six weeks later she gave birth to a child and became depressed, and on its death, in January, 1897, was worse. Improved in the following spring and appeared normal in the summer. In August, again began to worry about what would become of her children, feared she was coming to want;—was often quite agitated, repeating frequently, "Oh, what will become of me, what shall I do?" She spoke of suicide, and two weeks before admission to hospital grew worse, slept badly, ate little, was unwilling to go out of doors, made two attempts at suicide. Menstruation normal.

In Hospital.—Admitted in March, 1898; her condition, though varying in intensity, continued the same in its essential features till near the end

of seven months' stay there. She was depressed throughout, worrying about the future of herself and children; later feared that proper care was not taken of her money,—that she would have to die in an insane asylum. These ideas were usually expressed with much agitation and repetition; at the same time she would walk back and forth, sometimes exhausted and sitting on the floor, or noisy in her lamentations with extravagant statements of her apprehensions and genuine worry and despondency. She had improved physically after six months, and it seemed possible that her thoughts and actions were controlled by habit to a great extent. Upon being severely rebuked for her unreasonable behavior and told that, if she wanted to go home, she needed only to conduct herself properly, the change was remarkable; she grew quieter and a week later, being composed and natural in manner and appearing entirely rational, she was allowed to go home. Menstruation normal while in hospital.

Give diagnosis, stating characteristic symptoms, with your opinion as to whether or not the result was to be regarded as a recovery, and the reasons for that conclusion.

OPHTHALMOLOGY.—Asst. Professor STANDISH.

1. Gonorrheal ophthalmia.
2. Phlyctenular conjunctivitis, description, clinical history, and treatment.
3. Describe the two principal operations for the extraction of cataract.
4. For what purposes are lenses prescribed for young children?
5. What ocular lesions may produce a central scotoma in the field of vision?

OTOLOGY.—Professor BLAKE.

1. Describe the mastoid process of the temporal bone.
2. Give the locations and attachments of the tensor tympani and stapedius muscles.
3. What are the effects produced by protracted closure of the tympano-pharyngeal tube.
4. Give the symptoms, objective and subjective, of an acute inflammation of the middle ear, in a child.
5. Give the symptoms of acute mastoiditis in an adult.
6. Describe the abortive treatment of an acute mastoiditis.

LARYNGOLOGY.—Asst. Professor COOLIDGE.

1. The treatment of fracture of the nasal bones.
2. The source and composition of the nasal fluid.
3. What are the two varieties of frontal sinus? Where can the frontal sinus always be found? From what does the frontal sinus develop?
4. Describe secondary syphilis of the fauces. Treatment.
5. The relationships and methods of removal of the faucial tonsils.
6. Draw and describe a larynx, as seen in the laryngoscopic mirror, in a case of incipient laryngeal tuberculosis.

THE MEDICAL SCHOOL.

COURSES FOR GRADUATES.

1906-07.*

Amadon, Alfred Mason, A.M. (<i>Williams Coll.</i>)	
1896, M.D. (<i>Dartmouth Coll.</i>) 1897,	<i>Boston.</i>
Alderson, Harry Everett, M.D. (<i>Univ. of California</i>) 1900,	<i>San Francisco, Cal.</i>
Bancroft, George Andrew, M.D. 1890,	<i>Natick.</i>
Barstow, Henry Taylor, A.B. 1880, M.D. 1884,	<i>Boston.</i>
Beekel, Frederick, A.B. (<i>Univ. of Michigan</i>)	
1904, M.D. (<i>ibid.</i>) 1906,	<i>Cleveland, O.</i>
Borden, Charles Richardson Cobb, M.D. (<i>Med. Sch. of Maine</i>) 1896,	<i>Boston.</i>
Bailey, George Poole, M.D. (<i>Dartmouth Coll.</i>)	
1881,	<i>Natick.</i>
Bruce, Harold Milton, A.B. 1902, M.D. 1906,	<i>Brookline.</i>
Coan, Thomas Patrick, A.B. (<i>Mt. St. Joseph's Coll.</i>) 1903,	<i>Baltimore, Md.</i>
Cobb, Carolus Melville, M.D. (<i>Univ. of Vermont</i>)	
1883,	<i>Lynn.</i>
Crane, Edward Harrison, M.D. (<i>Univ. of Iowa</i>)	
1904,	<i>Odebolt, Ia.</i>
Curry, Edmund Farnham, M.D. 1896,	<i>Fall River.</i>
Davidson, Kallman Meyer, M.D. (<i>Königsberg, Germany</i>) 1887,	<i>Boston.</i>
DeLue, Frederick Spaulding, M.D. 1894,	<i>Needham.</i>
Emerson, Francis Patten, M.D. (<i>Coll. of Phys. and Surg., New York</i>) 1886,	<i>Roxbury.</i>
Fontaine, Bryce Worthington, M.D. (<i>Univ. of Penn.</i>) 1898,	<i>Mound, La.</i>
Gengenbach, Frank Paul, M.D. (<i>Univ. of Penn.</i>)	
1899,	<i>Denver, Colo.</i>
Graham, William Tate, M.D. (<i>Univ. of Virginia</i>)	
1896,	<i>Max Meadows, Va.</i>

* Entering after the issue of the Catalogue of 1906-07.

- Hale, Edith, A.B. (*Radcliffe Coll.*) 1901, M.D. (*Johns Hopkins Med. Sch.*) 1905, Boston.
- Hall, Gardner Wells, A.B. (*Harvard Univ.*) 1898, M.D. (*Johns Hopkins Med. Sch.*) 1901, Boston.
- Harkness, Robert Bruce, M.D. (*Memphis Hosp. Med. Coll.*) 1899, Houghton, Mich.
- Harriman, David Eugene, M.D. (*Univ. of Vermont*) 1898, So. Hadley Falls.
- Haskell, Pliny Fisk, M.D. (*Amer. Med. Missionary Coll.*) 1902, Keene, Texas.
- Hayward, Sumner, M.D. 1881, Rochester, N. Y.
- Horgan, John Augustus, M.D. 1888, Roxbury.
- Howes, Leroy Mason, M.D. (*Med. Sch. of Maine*) 1897, Enfield, Me.
- Jordan, John Franklin, M.D. (*Univ. of Michigan*) 1900, Peabody.
- Kelleher, Patrick Francis, M.D. (*Tufts Coll. Med. Sch.*) 1896, Cambridge.
- Knowles, Richard Keneborough Black, A.B. (*Acadia Coll.*) 1897, M.D. (*Harvard Med. Sch.*) 1902, Gloucester.
- Madden, William Daniel, A.B. (*Mt. St. Mary's Coll.*) 1891, M.D. (*Harvard Med. Sch.*) 1894, Boston.
- Mahoney, Francis Xavier, M.D.V. 1892, M.D. 1905, Dorchester.
- Mandell, Augustus Hamlin, M.D. (*Univ. of New York*) 1897, M.D. (*Cornell Univ.*) 1899, New Bedford.
- Merrill, William Jackson, A.B. (*Bowdoin Coll.*) 1898, M.D. (*Univ. of Penn.*) 1902, Philadelphia, Pa.
- Powers, Hale, S.B. (*Wesleyan Univ.*) 1900, M.D. (*Miami Med. Coll., Cincinnati*) 1904, Brookline.
- Ravdin, Marcus, M.D. (*Memphis Hosp. Med. Coll.*) 1900, Evansville, Ind.
- Raymond, Katharine Pratt, S.B. (*Univ. of Cincinnati*), M.D. (*Univ. of Michigan*), Boston.
- Rogers, Daniel Eastman, M.D. 1901, Portland, No. Dak.
- Shanahan, Timothy Joseph, A.B. (*Dartmouth Coll.*) 1901, M.D. (*Harvard Med. Sch.*) 1905, Somerville.
- Shurtz, Richard Elmer, M.D. (*Rush Med. Coll.*) 1897, Champaign, Ill.
- Sissa, Silvio, E. Boston.
- Smith, Forster Hanson, M.D. 1902, Lowell.
- Stearns, Henry Cutler, M.D. (*Dartmouth Med. Sch.*) 1895, Haverhill, N.H.
- Townsend, David, S.B. 1896, M.D. 1901, Brookline.

- Walker, David Harold, M.D. 1898, *Brookline.*
 Weaver, Harry Vernon, M.D. (*Boston Univ. Sch. of Med.*) 1893, *Springfield.*
 Williams, David Lawrence, M.D. (*Tufts Coll. Med. Sch.*) 1906, *Boston.*
 Young, James Herbert, S.B. 1903, M.D. 1906, *Amesbury.*

1907-08.

- Alley, Ernest Jason, M.D. (*Univ. of Vermont*) 1899, *Concord Junction.*
 Bell, Dudley Johnson, M.D. (*Med. Sch. of Maine*) 1888, *Granville, Yukon Ter., Can.*
 Bernard, Emory Darwin, M.D. (*Saginaw Valley Med. Coll.*) 1898, *Port Arthur, Tex.*
 Berry, William Christopher, M.D. (*Tufts Med. Sch.*) 1907, *Charlestown.*
 Blake, Allen Hanson, M.D. 1904, *Cambridge.*
 Blake, Gerald, A.B. 1901, M.D. 1905, *Boston.*
 Brickley, William Joseph, M.D. 1907, *Charlestown.*
 Burnham, Elmond Arthur, A.B. (*Tufts Coll.*) 1889, M.D. (*Harvard Med. Sch.*) 1894, *Boston.*
 Chase, Joseph, Jr., M.D. (*Boston Univ. Sch. of Med.*) 1878, *E. Weymouth.*
 Crossman, Edgar Orin, M.D. (*Univ. of Vermont*) 1887, *Lisbon, N.H.*
 Daly, Timothy Joseph, M.D. 1897, *Lawrence.*
 Farmer, Frank Emerson, M.D. (*Med. Dept., Univ. of Vermont*) 1899, *St. Johnsbury, Vt.*
 Freel, Ira Albert, M.D. (*Univ. of Toronto*) 1882, *Stouffville, Ont., Can.*
 Freeman, Charles Harlow, A.B. (*Acadia Coll.*) 1896, M.D.C.M. (*McGill Univ.*) 1900, *Milton, N.S.*
 French, Charles Ephraim, M.D. (*Univ. of Maryland*) 1893, *Lowell.*
 Geer, George Independence, *Westbrook, Me.*
 Goodall, Harry Winfred, A.B. (*Dartmouth Coll.*) 1898, M.D. (*Harvard Univ.*) 1902, *Boston.*
 Gregg, Donald, A.B. 1902, M.D. 1907, *Colorado Springs, Colo.*
 Halladjian, Isaiab Hagob, A.B. (*Central Turkey Coll.*) 1901, M.D. (*Yale Med. Sch.*) 1906, *Aintab, Aleppo, Turkey.*
 Hatch, Royal, A.B. (*Dartmouth Coll.*) 1900, M.D. (*Harvard Univ.*) 1904, *Boston.*
 Horwitz, Alexander Earle, A.B. (*Washington Univ.*) 1900, M.D. (*ibid.*) 1904, *St. Louis, Mo.*

- Hurst, Ira, A.M. (*Univ. of Virginia*) 1901, M.D.
(*ibid.*) 1904, Leemont, Va.
- Jones, Everett, M.D. (*Boston Univ. Sch. of Med.*)
1898, Brookline.
- Knowles, Robert Keneborough Black, A.B. (*Acadia
Coll.*) 1897, M.D. (*Harvard Med. Sch.*) 1902, Gloucester.
- Lung, George Augustus, A.M. (*Univ. of Rochester*)
1889, M.D. (*Univ. of Penn.*) 1886, Washington, D.C.
- MacDonald, Ronald John, M.D. (*Tufts Med. Sch.*)
1907, Dorchester.
- Moore, Seth Eastman, M.D. (*Univ. of Penn.*) 1898, Washington, D.C.
- Moran, Charles Leo, A.B. 1902, M.D. 1905, Roxbury.
- Morse, George Randolph, M.D.C.M. (*Dalhousie
Univ.*) 1902, Chester, N.S.
- Nevers, Harry Hill, M.D. (*Bowdoin Med. Sch.*)
1903, Lawrence.
- Outerson, Andrew Mansergh, M.D. (*Jefferson Med.
Coll.*) 1906, Windsor Locks, Conn.
- Owens, William Dunlop, M.D. (*Georgetown Univ.*)
1901, Washington, D.C.
- Robinson, Samuel, A.B. 1898, M.D. 1902, Boston.
- Sears, Frederic William, M.D. (*Univ. of Vermont*)
1888, So. Hero, Vt.
- Sullivan, Joseph Lawrence, M.D. 1900, Boston.
- Sylvester, Charles Porter, M.D. (*Med. Dept., Univ.
of Vermont*) 1899, Boston.
- Taft, Annie Elzina, M.D. (*Tufts Med. Sch.*) 1907, Chestnut Hill.
- Taggart, James Almon, Jr., M.D. (*Univ. of
Buffalo*) 1896, Salamanca, N. Y.
- Talbot, Fritz Bradley, A.B. 1900, M.D. 1905, Brookline.
- Taylor, Dick Allison, M.D.C.M. (*McGill Univ.*)
1901, Londonderry, N.S.
- Tomkies, James Scott, A.B. (*Tulane Univ.*) 1903, Dallas, Tex.
- Towle, Bernard LeRoy, M.D. (*Bowdoin Med. Sch.*)
1897, Pawtucket, R. I.
- Wasson, Hilliard John, M.D.C.M. (*McGill Univ.*)
1892, Victoria, B. C.
- Watkins, Harris Ralph, S.B. (*Dartmouth Coll.*)
1888, M.D. (*Univ. of Vermont*) 1892, Burlington, Vt.
- Woodworth, Helen Ida, M.D. (*Univ. of Michigan*)
1887, Boston.

FOURTH CLASS.

Adler, Howard Felix, s.B. (<i>Univ. of California</i>)	
1905,	<i>San Francisco, Cal.</i>
Bernstein, Harry Saul, A.B. 1904,	<i>Roxbury.</i>
Black, Edward Joseph, PH.B. (<i>Brown Univ.</i>) 1904,	<i>Providence, R.I.</i>
Bond, Earl Danford, A.B. 1900,	<i>St. Paul, Minn.</i>
Booth, Ernest Lazarus, A.B. 1905 (1904),	<i>E. Boston.</i>
Buxton, Bertram Harrington, A.B. (<i>Brown Univ.</i>)	
1904,	<i>Providence, R.I.</i>
Chase, Heman Baker, s.B. (<i>Amherst Coll.</i>) 1904,	<i>Hyannis.</i>
*Curran, Edward James,	<i>Bathurst, Australia.</i>
Curtin, John Joseph, A.B. 1905,	<i>Waltham.</i>
Denning, Frederic Joseph, A.B. 1905,	<i>So. Boston.</i>
*Edwards, Martin Russ,	<i>Bellevue, Mich.</i>
Eveleth, Samuel Chester, A.B. (<i>Amherst Coll.</i>)	
1904,	<i>Marblehead.</i>
FitzSimmons, Henry Joseph, A.B. 1903,	<i>Jamaica Plain.</i>
Garrison, James Murry, A.B. (<i>Brown Univ.</i>) 1904,	<i>Franklin.</i>
Gray, Edward John, s.B. (<i>St. Joseph's Univ.</i>) 1904,	<i>Salisbury, N.B.</i>
Hall, Robert Granville, s.B. 1905,	<i>Worcester.</i>
Hartshorne, Isaac, A.B. (<i>Amherst Coll.</i>) 1904,	<i>Methuen.</i>
Hennelly, Thomas Patrick, A.B. (<i>Tufts Coll.</i>) 1904,	<i>Waltham.</i>
Hersey, Harold Waters, s.B. 1904,	<i>Hingham.</i>
Hildreth, Robert Dudley, s.B. (<i>Amherst Coll.</i>)	
1904,	<i>Westfield.</i>
Hiltner, Walter Garfield, s.B. (<i>Nebraska Univ.</i>)	
1904,	<i>Lincoln, Neb.</i>
Holbrook, Charles Albert, A.B. 1900,	<i>Melrose.</i>
Jackson, Delbert Linscott, s.B. (<i>Dartmouth Coll.</i>)	
1904,	<i>Chelsea.</i>
James, Reginald Sears, A.B. 1905,	<i>Cambridge.</i>
Jantzen, Francis Thomas, A.B. 1905,	<i>Lowell.</i>
Keever, Henry Floyd, A.B. 1905 (1904),	<i>Schuylkill Haven, Pa.</i>
Lane, Clarence Guy, A.B. 1905,	<i>Woburn.</i>
Lawrence, Charles Henry, Jr., A.B. 1903,	<i>Chicago, Ill.</i>
Lynch, William Francis, A.B. (<i>Georgetown Univ.</i>)	
1904,	<i>E. Weymouth.</i>
McCarthy, Eugene Ambrose, A.B. (<i>Brown Univ.</i>)	
1904,	<i>Fall River.</i>
McCrudden, Francis Henry, s.B. (<i>Mass. Inst. of</i>	
<i>Tech.</i>) 1900,	<i>Boston.</i>

* Admitted by special vote of the Administrative Board.

McFarland, William, A.B. (<i>Williams Coll.</i>), 1904,	<i>Greenwich, N. Y.</i>
Maguire, John Francis, A.B. (<i>Boston Coll.</i>) 1894,	<i>Jamaica Plain.</i>
*Manotas, Arturo Fabio,	<i>Barranquilla, Colombia, So. America.</i>
Marion, James Willis Johnson, A.B. 1904,	<i>Allston.</i>
Markolf, Harry Foster, A.B. (<i>Middlebury Coll.</i>) 1904,	<i>W. Rutland, Vt.</i>
Marks, Henry Kovál, A.B. (<i>Leland Stanford Jr.</i> <i>Univ.</i>) 1904,	<i>San Francisco, Cal.</i>
Miller, William Theodore, Jr., A.B. (<i>Western</i> <i>Reserve Univ.</i>) 1905,	<i>Cleveland, O.</i>
Moore, Fred Porter, s.B. 1905,	<i>Watertown.</i>
Morrison, Hyman, A.B. 1904,	<i>Boston.</i>
Morse, George W, Jr., A.B. 1904,	<i>Clinton.</i>
Newburgh, Louis Harry, A.B. 1905 (1904),	<i>Cincinnati, O.</i>
Quigley, Raymond Augustine, s.B. (<i>Mass. Agric.</i> <i>Coll.</i>) 1904,	<i>Brockton.</i>
Salisbury, Lucius Albert, A.B. (<i>Brown Univ.</i>) 1904,	<i>Sandy Creek, N. Y.</i>
Sawyer, Edmund Houghton, s.B. (<i>Univ. of Cali-</i> <i>fornia</i>) 1904,	<i>Riverside, Cal.</i>
Sharpe, William James Clyde, A.B. 1904,	<i>Philadelphia, Pa.</i>
Sidis, Boris, A.B. 1894, A.M. 1895, PH.D. 1897,	<i>Brookline.</i>
Smith, George Gilbert, A.B. 1905,	<i>E. Orange, N. J.</i>
Swift, John Baker, Jr., A.B. 1904,	<i>Boston.</i>
Tighe, Michael Aloysius, A.B. (<i>Boston Coll.</i>) 1903,	<i>Lowell.</i>
Toppan, Roland Lesley, A.B. 1904,	<i>Newburyport.</i>
Tuttle, Ralph Weare, s.B. 1905,	<i>E. Andover, N.H.</i>
Walsh, Edmund Francis, A.B. 1904,	<i>Boston.</i>
West, Frederick Orra, s.B. 1905,	<i>Woburn.</i>
Whittemore, William Stewart, A.B. 1904,	<i>Cambridge.</i>
Wilkins, Samuel Henry, Jr., A.B. (<i>Dartmouth</i> <i>Coll.</i>) 1905,	<i>W. Somerville.</i>
Worthen, Clarence Field, s.B. (<i>Univ. of Vermont</i>) 1903,	<i>Barre, Vt.</i>

THIRD CLASS.

Almy, Thomas, A.B. 1905,	<i>Fall River.</i>
Bailey, Charles Hervey, A.B. (<i>Brown Univ.</i>) 1903,	<i>Dorchester.</i>
Bowditch, Harold, A.B. 1905,	<i>Jamaica Plain.</i>
Brigham, Francis Gorham, s.B. (<i>Colgate Univ.</i>) 1905,	<i>Flushing, N. Y.</i>
Bryant, Owen, A.B. 1904,	<i>Cohasset.</i>

* Admitted by special vote of the Administrative Board.

Burns, Newell Bly, A.B. 1905,	<i>Danvers.</i>
Cornish, Solon Washington, A.B. (<i>Dartmouth Coll.</i>) 1905,	<i>Carver.</i>
Crothers, Bronson, A.B. 1905,	<i>Cambridge.</i>
Crowley, Thomas Francis, A.B. (<i>Boston Coll.</i>) 1903,	<i>Holliston.</i>
Daniels, Ora George, A.B. (<i>Tufts Coll.</i>) 1900,	<i>Chelsea.</i>
Davis, Nelson Clifton, S.B. 1905,	<i>Providence, R.I.</i>
Dennen, Ralph Waite, A.B. 1905,	<i>Waltham.</i>
Fitz, Reginald, A.B. 1906,	<i>Boston.</i>
Garfield, Walter Thompson, S.B. 1906,	<i>Cambridge.</i>
Ghoreyeb, Albert Alphonso Wood, A.B. (<i>Syrian Protestant Coll.</i>) 1904,	<i>Jaffa, Syria.</i>
Greeley, Hugh Payne, A.B. 1906,	<i>Lexington.</i>
Hall, Reverdy Morris, Jr., A.B. 1905,	<i>Baltimore, Md.</i>
Healey, John Joseph, PH.B. (<i>Brown Univ.</i>) 1905,	<i>Providence, R.I.</i>
Hendricks, Henning Vitalis, S.B. (<i>Worcester Polytechnic Inst.</i>) 1903,	<i>Holden.</i>
Hepburn, James Joseph, A.B. 1906,	<i>Somerville.</i>
Hermann, Otto John, A.B. 1906,	<i>Roxbury.</i>
*Heydemann, Martin,	<i>Boston.</i>
Hinds, Robert Watson, A.B. 1905,	<i>Allston.</i>
Howard, Arthur Allison, PH.B. (<i>Brown Univ.</i>) 1905,	<i>Roxbury.</i>
Hunt, Roscoe Cadwell, A.B. (<i>Carleton Coll.</i>) 1905,	<i>Blue Earth, Minn.</i>
Hurley, Daniel Joseph, A.B. 1905,	<i>Charlestown.</i>
Kilgore, Eugene Sterling, S.B. (<i>Univ. of California</i>) 1904,	<i>Allendale, Cal.</i>
Lamson, Paul Dudley, A.B. 1905,	<i>Worcester.</i>
Laskey, Edward Philip, S.B. (<i>Dartmouth Coll.</i>) 1904,	<i>Dover, N.H.</i>
McKenna, Edward Francis, A.B. (<i>Brown Univ.</i>) 1905,	<i>Providence, R.I.</i>
Macomber, Donald, A.B. 1906,	<i>W. Newton.</i>
*Madden, John Joseph, PHARM.D. (<i>Mass. Coll. of Pharm.</i>) 1903,	<i>Worcester.</i>
*Manton, Walter Williamson,	<i>Detroit, Mich.</i>
Neill, Mather Humphrey, A.B. (<i>Amherst Coll.</i>) 1905,	<i>Pittsfield.</i>
Noonan, William Andrew, A.B. 1906,	<i>Cambridge.</i>
O'Keeffe, James Vincent, A.B. 1905,	<i>Revere.</i>
Overlander, John Elliot, PH.B. (<i>Yale Univ.</i>) 1905,	<i>Hiawatha, Kan.</i>

* Admitted by special vote of the Administrative Board.

Parker, Willard Stephen, A.B. 1906,	<i>Piqua, O.</i>
Patch, Arthur Lionel, A.B. (<i>Brown Univ.</i>) 1904,	<i>Stoneham.</i>
Pemberton, Frank Arthur, S.B. 1906,	<i>Auburndale.</i>
Preble, William Emerson, A.B. (<i>Bowdoin Coll.</i>) 1898,	<i>Litchfield, Me.</i>
Reid, William Duncan, A.B. 1906,	<i>Newton.</i>
Sampson, Edwin Field, S.B. 1906,	<i>Newtonville.</i>
Smith, Harold Heber, A.B. (<i>Leland Stanford Jr. Univ.</i>) 1905,	<i>Worcester.</i>
Smyth, Duncan Campbell, A.B. (<i>St. Francis Xavier's Coll.</i>) 1905,	<i>Port Hood, N.S.</i>
Sparrow, Charles Atsatt, A.B. (<i>Amherst Coll.</i>) 1906,	<i>Mattapoisett.</i>
Steinharter, Edgar Clifford, S.B. (<i>Mass. Inst. of Tech.</i>) 1906,	<i>Cincinnati, O.</i>
Swaim, Loring Tiffany, A.B. 1905,	<i>Cambridge.</i>
Tenney, Albert Seward, A.B. (<i>Cornell Univ.</i>) 1905,	<i>Cambridge.</i>
Titus, Raymond Stanton, A.B. 1905,	<i>No. Haverhill, N.H.</i>
Tron, Stanley Emanuele (<i>Royal Liceo Gioberti, Turin, Italy</i>), 1903,	<i>Turin, Italy.</i>
Usher, William Claude, A.M. (<i>Queen's Univ.</i>) 1905,	<i>Wicklow, Ont., Can.</i>
Webster, Harrison Briggs, A.B. 1905,	<i>Cohasset.</i>
Wilkiemeyer, Frederick Joseph, A.B. (<i>Christian Brothers' Coll.</i>) 1904,	<i>Newport, Ky.</i>
Young, Edward Lorraine, Jr., A.B. 1906,	<i>No. Hanover.</i>

 SECOND CLASS.

Abbott, John Woodward, A.B. (<i>Bates Coll.</i>) 1905,	<i>Lewiston, Me.</i>
Achorn, Kendall Lincoln, S.B. 1903,	<i>Boston.</i>
*Austin, Richard Sisson,	<i>Boston.</i>
Balcom, Kenneth Ira, A.B. (<i>Colgate Univ.</i>) 1905,	<i>Northboro.</i>
Barkan, Hans, A.B. (<i>Leland Stanford Jr. Univ.</i>) 1905,	<i>San Francisco, Cal.</i>
Bortree, Leo Williams, A.B. (<i>Colorado Coll.</i>) 1906,	<i>Colorado Springs, Colo.</i>
Bowers, George Francis Haskell, A.B. 1906,	<i>Clinton.</i>
Brayton, Howard Wheaton, PH.B. (<i>Brown Univ.</i>) 1906,	<i>Providence, R.I.</i>
Burgess, Alexander Manlius, A.B. (<i>Brown Univ.</i>) 1906,	<i>Portland, Me.</i>

* Admitted by special vote of the Administrative Board.

Burwell, Edmund Strudwick, PH.B. (<i>Univ. of No. Carolina</i>) 1906,	<i>Charlotte, N. C.</i>
Chase, Peter Pineo, PH.B. (<i>Brown Univ.</i>) 1906,	<i>Hyanis.</i>
*Christian, Andrew Forest,	<i>Boston.</i>
*Clarke, Harry Carver,	<i>Fall River.</i>
Clarke, Oliver Holman, A.B. (<i>Leland Stanford Jr. Univ.</i>) 1906,	<i>Boston.</i>
Corcoran, George Bartlett, A.B. (<i>Brown Univ.</i>) 1906,	<i>W. Springfield.</i>
Cunningham, Thomas Edward, Jr., A.B. 1906,	<i>Cambridge.</i>
Cutler, George David, S.B. 1907,	<i>Brighton.</i>
Dages, Oren Newton, A.B. (<i>Princeton Univ.</i>) 1906,	<i>Columbus, O.</i>
Dane, Charles Murphy, A.B. 1906,	<i>Brookline.</i>
Dane, John Murphy, S.B. 1907,	<i>Brookline.</i>
Day, Alexander Alfred, A.B. (<i>Clark Univ.</i>) 1906,	<i>Everett.</i>
Draper, Warren Fales, A.B. (<i>Amherst Coll.</i>) 1906,	<i>Newton Highlands.</i>
Faison, Yates Wellington, A.B. (<i>Davidson Coll.</i>) 1906,	<i>Charlotte, N. C.</i>
Finney, Royal Houghtelin, A.B. (<i>Kansas Univ.</i>) 1907,	<i>La Junta, Colo.</i>
Fitzpatrick, Francis Joseph, A.B. (<i>Boston Coll.</i>) 1903,	<i>Charlestown.</i>
Forbes, Alexander, A.B. 1904, A.M. 1905,	<i>Milton.</i>
Fox, Michael Bernard, A.B. (<i>Clark Univ.</i>) 1905,	<i>Worcester.</i>
French, Ralph Winward, A.B. 1907,	<i>Fall River.</i>
Gaboury, George Napoleon, A.B. (<i>Yale Univ.</i>) 1907,	<i>Chicopee Falls.</i>
Gamble, James Lander, A.B. (<i>Leland Stanford Jr. Univ.</i>) 1906,	<i>Palo Alto, Cal.</i>
Gardner, Edwin Daniels, A.B. 1906,	<i>Holliston.</i>
Gerber, Isaac, A.B. 1907,	<i>Malden.</i>
Grady, James Edward, Jr., A.B. (<i>Holy Cross Coll.</i>) 1906,	<i>Clinton.</i>
Haigh, Gilbert William, A.B. 1907,	<i>Lawrence.</i>
*Hamilton, Burton Everett,	<i>Roxbury.</i>
Harrington, Amos Thomson, A.B. (<i>Yale Univ.</i>) 1894, S.T.B. (<i>ibid.</i>) 1897,	<i>Lyons, N. Y.</i>
Haskell, Charles Cheves, A.B. (<i>Univ. of Virginia</i>) 1905,	<i>Columbia, S. C.</i>
Hegarty, Joseph Gordon, A.B. 1907,	<i>Somerville.</i>
Hellmann, Robert Richard, A.B. 1906,	<i>Cincinnati, O.</i>
Hill, Prescott Tillinghast, A.B. (<i>Brown Univ.</i>) 1906,	<i>Providence, R. I.</i>

* Admitted by special vote of the Administrative Board.

Himebaugh, Lester Clarence, A.B. (<i>Colorado Coll.</i>) 1906,	<i>Colorado Springs, Colo.</i>
Howes, Frank Miller, A.B. 1907,	<i>Rockland.</i>
Irving, Frederick Carpenter, A.B. 1906,	<i>Ogdensburg, N. Y.</i>
Ish, George William Stanley, A.B. (<i>Yale Univ.</i>) 1905,	<i>Little Rock, Ark.</i>
Jacques, Hector, A.B. (<i>Laval Univ.</i>) 1899,	<i>St. Hyacinthe, Quebec, Can.</i>
Kelley, Clarence Moore, A.B. 1906,	<i>Milton, N. H.</i>
Kellogg, Foster Standish, A.B. 1906,	<i>Boston.</i>
Kennedy, Philip Thomas, A.B. (<i>Trinity Coll.</i>) 1905,	<i>Hartford, Conn.</i>
Leonard, Ralph Davis, A.B. 1907,	<i>Melrose.</i>
Libby, Harold, A.B. 1907,	<i>Roxbury.</i>
Lightbody, William Russell, PH.B. (<i>Brown Univ.</i>) 1906,	<i>Manchester, N. H.</i>
Lindsay, John Crandall, A.B. (<i>Colby Coll.</i>) 1906,	<i>Waterville, Me.</i>
*Lippman, Caro Wolf,	<i>San Francisco, Cal.</i>
Lyons, George Aloysius, A.B. (<i>Boston Coll.</i>) 1905,	<i>Winchester.</i>
MacAusland, Andrew Roy, S.B. 1907,	<i>Taunton.</i>
McCabe, Francis Joseph, A.B. (<i>Dartmouth Coll.</i>) 1905,	<i>Randolph.</i>
McCarty, James Joseph, Jr., A.B. 1907,	<i>Lowell.</i>
McCrossan, Charles Leo, A.B. 1907,	<i>Somerville.</i>
MacMillan, Andrew Louis, Jr., A.B. (<i>Dartmouth Coll.</i>) 1905,	<i>Hanover.</i>
Madden, Leon Irving, A.B. (<i>Clark Univ.</i>) 1905,	<i>Agawam.</i>
Mahoney, Matthew Patrick, A.B. (<i>Georgetown Univ.</i>) 1906,	<i>Lowell.</i>
Marble, Henry Chase, A.B. (<i>Clark Univ.</i>) 1906,	<i>Worcester.</i>
Meador, Charles Nash, A.B. (<i>Colby Coll.</i>) 1906,	<i>Waterville, Me.</i>
*Millard, Jean Sears,	<i>Allston.</i>
Miller, Richard Henry, A.B. 1905,	<i>Fitchburg.</i>
Moore, George Albert, S.B. 1907,	<i>No. Monroë, N. H.</i>
*Niles, John Otis Garfield,	<i>Boston.</i>
*O'Donoghue, Edward John,	<i>Cambridge.</i>
Palmer, Walter Walker, S.B. (<i>Amherst Coll.</i>) 1905,	<i>Southfield.</i>
Parcher, George, A.B. (<i>Bowdoin Coll.</i>) 1906,	<i>Ellsworth, Me.</i>
Phillips, Charles Lewis, A.B. (<i>Bates Coll.</i>) 1906,	<i>Lewiston, Me.</i>
*Popoff, Constantine,	<i>Siven, Bulgaria.</i>
Porter, Emery Moulton, PH.B. (<i>Brown Univ.</i>) 1906,	<i>Boston.</i>

* Admitted by special vote of the Administrative Board.

Power, George Aloysius, A.B. (<i>Holy Cross Coll.</i>)	
1905,	<i>Worcester.</i>
*Prescott, George Lincoln,	<i>Concord.</i>
Rounseville, Wilfred Ellsworth, S.B. (<i>Amherst Coll.</i>) 1905,	<i>Attleboro.</i>
Ryder, Charles Tripp, A.B. 1906,	<i>Andover.</i>
Shedd, George Harold, A.B. 1905,	<i>No. Conway, N.H.</i>
*Sheppard, Philip Albert Edward, <i>Stellenbosch, Cape Town, So. Africa.</i>	
*Starr, Samuel,	<i>Roxbury.</i>
Tarleton, Leeson Oren, PH.B. (<i>Brown Univ.</i>)	
1906,	<i>Concord, N.H.</i>
Tomkies, James Scott, A.B. (<i>Tulane Univ.</i>)	
1903,	<i>Dallas, Tex.</i>
*Twombly, James Woodbury,	<i>Boston.</i>
Walsh, John Gormley, A.B. (<i>Brown Univ.</i>) 1906,	<i>Providence, R.I.</i>

FIRST CLASS.

Bacher, Johann Adolph, A.B. (<i>Leland Stanford Jr. Univ.</i>) 1899,	<i>San José, Cal.</i>
Bagg, Edward Parsons, Jr., A.B. (<i>Yale Univ.</i>)	
1907,	<i>Holyoke.</i>
Bean, Charles Franklin Kingsbury, A.B. (<i>Tufts Coll.</i>) 1907,	<i>W. Medford.</i>
Birnie, Richard, Jr., S.B. 1907,	<i>Charleston, S.C.</i>
Blaisdell, John Harper, A.B. (<i>Dartmouth Coll.</i>)	
1907,	<i>Winchester.</i>
Bradford, Frederick Charles (<i>Lawrence Scientific Sch. Senior</i>),	<i>Stoneham.</i>
Breslin, John George (<i>Harvard Coll. Senior</i>),	<i>Charlestown.</i>
Briggs, Asa Sheldon, PH.B. (<i>Brown Univ.</i>) 1907,	<i>Ashaway, R.I.</i>
Brown, Harold Learned, A.B. (<i>Brown Univ.</i>)	
1907,	<i>Sioux City, Ia.</i>
Bruce, Jacob Baldwin, Jr. (<i>Lawrence Scientific Sch. Senior</i>),	<i>Allston.</i>
Buckley, George Ambrose, A.B. (<i>Brown Univ.</i>)	
1907,	<i>Brockton.</i>
Cahill, Harry Philip, A.B. (<i>Holy Cross Coll.</i>)	
1907,	<i>Worcester.</i>
Chandler, Harold Beckles, A.B. (<i>Bowdoin Coll.</i>)	
1907,	<i>W. Newton.</i>
Chickering, Henry Thorndyke, A.B. 1907,	<i>Somerville.</i>

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*Ching, Ensang,	<i>Honolulu, Hawaii.</i>
Clark, William Arthur, A.B. (<i>Univ. of Illinois</i>)	
1905, A.M. (<i>ibid.</i>) 1907,	<i>Urbana, Ill.</i>
Clymer, George, A.B. 1905,	<i>Washington, D.C.</i>
Cochrane, Robert Carlyle, S.B. (<i>Dartmouth Coll.</i>) 1907,	<i>Somerville.</i>
Cogswell, Eliot Sanborn, A.B. (<i>Dartmouth Coll.</i>)	
1906,	<i>Stratford, Conn.</i>
*Cowles, Edward Spencer, M.D. (<i>Univ. of Medicine, Va.</i>) 1907,	<i>Williamsburg, Va.</i>
Crabtree, Harvard Hersey, A.B. 1907,	<i>Hancock, Me.</i>
Creamer, William Henry, A.B. (<i>Holy Cross Coll.</i>)	
1907,	<i>Fall River.</i>
Dawson, Roger Paul, A.B. (<i>Holy Cross Coll.</i>)	
1907,	<i>Waterbury, Conn.</i>
Dempsey, James Edward, A.B. (<i>Holy Cross Coll.</i>)	
1906,	<i>Milford.</i>
Dulligan, Peter James, A.B. (<i>Holy Cross Coll.</i>)	
1907,	<i>Worcester.</i>
Dunlap, Albert Menzo, A.B. (<i>Univ. of Illinois</i>)	
1906,	<i>Savoy, Ill.</i>
Duston, Frank Algar, A.B. (<i>Univ. of New Brunswick</i>) 1898,	<i>St. Stephen, N.B.</i>
Emerson, Paul Waldo, A.B. 1907,	<i>Cheyenne, Wyoming.</i>
Enos, John Silveira, A.B. (<i>Brown Univ.</i>) 1907,	<i>Providence, R.I.</i>
Eustis, Richard Spelman, A.B. 1907,	<i>Cambridge.</i>
Eversole, George Edwin, A.B. 1907,	<i>Seattle, Wash.</i>
Feeley, Walter Clarence (<i>Harvard Coll. Senior</i>),	<i>Cambridge.</i>
Finnegan, Frank Augustine, A.B. (<i>Holy Cross Coll.</i>) 1907,	<i>Lowell.</i>
Finnegan, Philip Joseph (<i>Harvard Coll. Senior</i>),	<i>Salem.</i>
Forbes, Henry Stone, A.B. 1905,	<i>Milton.</i>
Frank, Morris, A.B. 1908 (1907),	<i>Boston.</i>
Fraser, Somers, A.B. 1907,	<i>E. Weymouth.</i>
Gaunt, Frank Peyton, A.B. (<i>Univ. of Missouri</i>)	
1906,	<i>St. Louis, Mo.</i>
Greenebaum, Jacob Victor, A.B. 1908 (1907),	<i>Cincinnati, O.</i>
*Greydon, William Franklin,	<i>Woburn.</i>
Grover, Joseph Isaac, A.B. (<i>Brown Univ.</i>) 1907,	<i>Providence, R.I.</i>
Gruening, Ernest Henry, A.B. 1907,	<i>New York, N. Y.</i>
Haight, Harry William, A.B. (<i>Princeton Univ.</i>)	
1907,	<i>Mendota, Ill.</i>

* Admitted by special vote of the Administrative Board.

Hammond, John Wilkes, Jr., A.B. (<i>Dartmouth Coll.</i>) 1907,	Cambridge.
Harris, Herbert Elisha, A.B. (<i>Brown Univ.</i>) 1907,	Providence, R. I.
Harvie, Peter Lyons (<i>Harvard Coll. Senior</i>),	Everett, Wash.
Hedblom, Carl Arthur, A.B. (<i>Colorado Coll.</i>) 1907,	Aurora, Neb.
Hornor, Albert Aurelius, Jr., A.B. (<i>Univ. of Virginia</i>) 1907,	Helena, Ark.
Houghton, James Tilley (<i>Harvard Coll. Senior</i>),	Saratoga Springs, N. Y.
Hunt, Robert Bates, A.B. (<i>Clark Univ.</i>) 1907,	Brockton.
*Jones, Ellis William,	Boston.
Lazarus, Louis, A.B. 1906,	Roxbury.
Leland, George Adams, Jr., A.B. 1907,	Boston.
Lincoln, George Chandler, A.B. 1905,	Worcester.
McCann, Charles Daniel, PH.B. (<i>Brown Univ.</i>) 1907,	Brockton.
McCarty, Franklin Bennett, S.B. (<i>Univ. of Notre Dame</i>) 1907,	Lynn.
McMichael, Earle Haggett, A.B. (<i>Bowdoin Coll.</i>) 1907,	E. Boston.
Main, Roscoe Conkling, A.B. (<i>Univ. of Illinois</i>) 1906, A.M. (<i>ibid.</i>) 1907,	Pittsfield, Ill.
Mann, William Leake, Jr., PH.B. (<i>Southwestern Univ.</i>) 1903,	Georgetown, Tex.
Marshall, Frank Fremont, A.B. 1907,	Worcester.
Means, James Howard, A.B. 1907,	Boston.
Miller, Alvah Strong, A.B. (<i>Univ. of Rochester</i>) 1907,	Rochester, N. Y.
Molina, Manuel Octavio, A.B. (<i>Colegio Nacional, Sud.</i>) 1905,	Buenos Ayres, Argentine Republic.
Morrill, Ashley Baker (<i>Lawrence Scientific Sch. Senior</i>),	Concord, N.H.
Murphy, John Joseph, A.B. (<i>Holy Cross Coll.</i>) 1907,	Cambridge.
Naughton, Henry Joseph, A.B. (<i>Holy Cross Coll.</i>) 1906,	Worcester.
Nelson, Christian Augustus, A.B. (<i>Brown Univ.</i>) 1903,	Quincy.
Nelson, Luther Townsend, A.B. (<i>Boston Univ.</i>) 1905,	Boston.
O'Hare, James Patrick, A.B. 1908 (1907),	Milton.
O'Keefe, Edward Scott, A.B. 1907,	Lynn.

* Admitted by special vote of the Administrative Board.

- O'Sullivan, William Daniel, L.B. (*Dartmouth Coll.*) 1900, *Lawrence.*
- *Pattajo, Christ. Alexis (*College of Monastir, Abella, Macedonia*) 1902, *Abella, Monastir, Roumania.*
- Pease, Edmund Morris, A.B. (*Pomona Coll.*) 1904, *Claremont, Cal.*
- Penix, John Harve, A.B. (*William Jewell Coll.*) 1906, *Bowling Green, Mo.*
- Percy, Karlton Goodsell, A.B. (*Yale Univ.*) 1907, *Brookline.*
- Perry, Harold Edgar, A.B. 1907, *Chelsea.*
- *Peterson, Hugo Oliver, *Worcester.*
- Pierce, Glenn McKillips, PH.B. (*Westminster Coll.*) 1906, *W. Elizabeth, Pa.*
- Porter, Miles Fuller, Jr., A.B. (*Williams Coll.*) 1907, *Fort Wayne, Ind.*
- Prizer, Edward Levis, A.B. 1908 (1907), *So. Orange, N.J.*
- Reed, Floyd Orton, S.B. (*Univ. of Rochester*) 1907, *Berkshire, N. Y.*
- Reid, Henry Squire, PH.B. (*Syracuse Univ.*) 1907, *Rome, N. Y.*
- Reynolds, Ralph Leavitt, A.B. (*Colby Coll.*) 1906, *Waterville, Me.*
- Richards, Dexter Newell, A.B. (*Leland Stanford Jr. Univ.*) 1907, *Gridley, Cal.*
- Richardson, Clarence Hudson, A.B. (*Lincoln Univ.*) 1901, *Philadelphia, Pa.*
- Richardson, Henry Stephen, A.B. (*Amherst Coll.*) 1904, *Franklin.*
- Riley, William Bernard, A.B. (*Holy Cross Coll.*) 1905, *Central Falls.*
- Robinson, Henry Ashton (*Harvard Coll. Senior*), *Hingham.*
- Ruggles, Howard Edwin, A.B. (*Leland Stanford Jr. Univ.*) 1907, *Ross, Cal.*
- Russell, John Scott, A.B. (*Williams Coll.*) 1907, *Massena, N. Y.*
- Sanford, Rowland Rufus, A.B. (*Acadia Coll.*) 1900, *Vizianagram, Madras, India.*
- Sheldon, Russell Firth, A.B. 1907, *Lynn.*
- Smith, William David, A.B. 1899, *Gardner.*
- Stankard, Thomas Francis, A.B. (*Holy Cross Coll.*) 1904, *Waltham.*
- Stockton, Frederick Eugene, A.B. (*Lafayette Coll.*) 1906, *Seymour, Conn.*
- Temple, William Franklin, Jr. (*Harvard Coll. Senior*), *Boston.*

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Terrell, Alexander Bismarck, s.B. (<i>Univ. of Chicago</i>) 1907,	<i>Fort Worth, Tex.</i>
Thompson, Austin Bassett, A.B. (<i>Williams Coll.</i>) 1907,	<i>Orange, N.J.</i>
Whidden, Rae Wygant (<i>Harvard Coll. Senior</i>),	<i>Portland, Ore.</i>
White, Paul Dudley (<i>Harvard Coll. Senior</i>),	<i>Roxbury.</i>
*Whitney, George Harold,	<i>Lexington, Ky.</i>

SPECIAL STUDENTS.

Bernard, Emory Darwin, M.D. (<i>Saginaw Valley Med. Coll.</i>) 1898,	<i>Port Arthur, Tex.</i>
*Farmer, Chester Jefferson,	<i>Andover.</i>
Wheeler, Ernest Henry, M.D. (<i>Dartmouth Med. Coll.</i>) 1892,	<i>Augusta, Me.</i>

* Admitted by special vote of the Administrative Board.

SUMMARY.

IN COURSES FOR GRADUATES, 1907-08 (to Nov. 11) . .	45
FOURTH CLASS	57
THIRD CLASS	55
SECOND CLASS	84
FIRST CLASS	101
SPECIAL STUDENTS	3
	<hr/>
	345
COUNTED MORE THAN ONCE	2
	<hr/>
TOTAL	343

In Courses for Graduates, 1906-07, after publication of Catalogue for 1906-07	47
In Summer Courses, 1907	194

GRADUATES OF COLLEGES.

Acadia College	1	University of Missouri	1
Amherst College	10	University of Nebraska	1
Bates College	2	University of New Brunswick	1
Boston College	5	University of North Carolina	1
Boston University	1	University of Notre Dame	1
Bowdoin College	4	Pomona College	1
Brown University	27	Princeton University	2
University of California	3	Queen's University (Toronto, Can.)	1
Carleton College	1	University of Rochester	2
University of Chicago	1	Royal Liceo Gioberti (Turin, Italy)	1
Christian Brothers' College (St. Louis)	1	Southwestern College	1
Clark University	5	St. Francis Xavier's College	1
Colby College	3	St. Joseph's University	1
Colegio Nacional, Sud. (Argentine Rep.)	1	Syracuse University	1
Colgate University	2	Syrian Protestant College	1
Colorado College	3	Trinity College (Conn.)	1
Cornell University	1	Tufts College	3
Dartmouth College	11	Tulane University	1
Davidson College	1	University of Vermont	1
Georgetown University	2	University of Virginia	2
Harvard University	117	Western Reserve University	1
Holy Cross College	11	Westminster College	1
University of Illinois	3	William Jewell College	1
Kansas University	1	Williams College	4
Lafayette College	1	Worcester Polytechnic Institute	1
Laval University	1	Yale University	6
Leland Stanford Jr. University	8	Total	271
Lincoln University	1	Total Number College Graduates	266
Massachusetts Agricultural College	1		
Massachusetts Institute of Technology	2	Number of Colleges	57
Middlebury College	1		

THE SUMMER SCHOOL OF MEDICINE.

Abbott, Henry Wilson,	<i>Waterville, Me.</i>
Almy, Thomas, A.B. 1905,	<i>Fall River.</i>
Alward, Mark, M.D. (<i>Buffalo Med. Coll.</i>) 1887,	<i>Brownville, Me.</i>
Anderson, Reuben Bennett, M.D. (<i>Tulane Med. Sch.</i>) 1884,	<i>Sherman, Tex.</i>
Anderson, Wilhelm Sigurd, M.D. (<i>Univ. of Minnesota</i>) 1903,	<i>Warren, Minn.</i>
Angwin, William Arnold, PH.B. (<i>Pacific Univ.</i>) 1901, M.D. (<i>Coll. of Phys. and Surg., San Francisco, Cal.</i>) 1903,	<i>Washington, D.C.</i>
Austrian, Charles Robert, A.B. (<i>Johns Hopkins Univ.</i>) 1904,	<i>Baltimore, Md.</i>
Ayer, Thomas Herbert, M.D. (<i>Bowdoin Med. Sch.</i>) 1893,	<i>Westboro.</i>
Baker, Grear Hill, M.D. (<i>Med. Coll. of Ohio</i>) 1903,	<i>Cincinnati, O.</i>
Baker, Walter Eugene, M.D. (<i>Drake Univ. Coll. of Medicine</i>) 1907,	<i>Des Moines, Ia.</i>
Barry, Ray Kent, M.D. (<i>Univ. of Buffalo</i>) 1898,	<i>E. Aurora, N.Y.</i>
Bayliss, Jacob William, M.D. (<i>Univ. of Buffalo</i>) 1906,	<i>Buffalo, N.Y.</i>
Berry, Elmer, S.B. (<i>Univ. of Nebraska</i>) 1901,	<i>Springfield.</i>
Bolster, William Wheeler, A.B. (<i>Bates Coll.</i>) 1895,	<i>Auburn, Me.</i>
Bond, William Lincoln, M.D. (<i>Univ. of Toronto</i>) 1890,	<i>Eglinton, Ont., Can.</i>
Booth, Burton Sylvander, M.D. (<i>Union Med. Sch., Albany</i>),	<i>Troy, N.Y.</i>
Bowditch, Harold, A.B. 1905,	<i>Jamaica Plain.</i>
Bowen, Samuel Cecil, M.D. (<i>Med. Coll. of Virginia</i>) 1905,	<i>Richmond, Va.</i>
Bray, Charles William, A.B. (<i>Univ. of Minnesota</i>) 1891, M.D. (<i>ibid.</i>) 1895,	<i>Biwabik, Minn.</i>
Brigham, Francis Gorham, S.B. (<i>Colgate Coll.</i>) 1905,	<i>Flushing, N.Y.</i>
Brindisi, Rocco, M.D. (<i>Royal Univ. of Naples</i>) 1884,	<i>Boston.</i>

- Brown, George Franklin, M.D. (*Bellevue Hosp. Med. Coll.*) 1897, *Sherman, Tex.*
- Bruce, Harold Milton, A.B. 1902, M.D. 1906, *Brookline.*
- Bryant, Owen, A.B. 1904, *Cohasset.*
- Buker, Edson Bayard, S.B. (*Univ. of Maine*) 1904, *Waldoboro, Me.*
- Bush, Arthur Dermont, M.D. (*Coll. of Phys. and Surg., Atlanta*) 1901, *New Orleans, La.*
- Butterworth, William Walton, M.D. (*Tulane Med. Sch.*) 1894, *New Orleans, La.*
- Canney, Ellen Rose, M.D. (*Univ. of Michigan*) 1898, *New Bedford.*
- Carboni, Giovanni, M.D. (*Univ. of Naples*) 1892, *Boston.*
- Carlton, Frank Carr, S.B. 1903, *Salem.*
- Carothers, Robert, M.D. (*Med. Coll. of Ohio*) 1890, *Cincinnati, O.*
- Castle, Catharine White, M.D. (*Boston Univ. Sch. of Medicine*) 1903, *Somerville.*
- Chace, Fenner Albert, A.B. 1897, M.D. 1905, *Fall River.*
- Christian, Andreas Forest, *Boston.*
- Clendenning, Logan, M.D. (*Univ. of Kansas*) 1907, *Kansas City, Mo.*
- Courtney, Angelia Martha, A.B. (*Radcliffe Coll.*) 1906, *Concord.*
- Crane, Bayard Taylor, M.D. 1901, *Rutland.*
- Crane, James Wilder, *Norwood.*
- Crockett, Melvin Butcher, M.D. (*Univ. Coll. of Medicine, Richmond*) 1895, *Tazewell, Va.*
- Crossman, Edgar Orin, M.D. (*Univ. of Vermont*) 1887, *Lisbon, N.H.*
- Curl, Holton C., M.D. (*Iowa Med. Coll.*) 1894, *Washington, D.C.*
- M.D. (*Univ. of California*) 1897, *Washington, D.C.*
- Currier, Mary Barnard, M.D. (*Boston Univ. Sch. of Medicine*) 1893, *Somerville.*
- Cutler, Charles Newton, M.D. 1898, *Chelsea.*
- Daly, Timothy Joseph, M.D. 1897, *Lawrence.*
- Daniels, Ora George, A.B. (*Tufts Coll.*) 1900, *Chelsea.*
- Davis, John Lewis, M.D. (*Bowdoin Med. Sch.*) 1906, *Portland, Me.*
- DeAmezaga, Gualterius, M.D. (*Univ. of Genoa*) 1889, *Boston.*
- DeBuys, Laurence Richard, M.D. (*Tulane Med. Sch.*) 1904, *New Orleans, La.*
- Dennen, Ralph Waite, A.B. 1905, *Waltham.*
- Donnelly, James Harvey, A.B. (*Williams Coll.*) 1894, M.D. (*Boston Univ. Sch. of Medicine*) 1907, *Hoosick, N.Y.*

- Dubois, Edward Julien, M.D. (*Central Coll. of Phys. and Surg., Indianapolis*) 1905, *Indianapolis, Ind.*
- Dunlap, Fayette, A.B. (*Centre Coll., Danville*) 1874, M.D. (*Univ. of Louisiana*) 1879, *Danville, Ky.*
- Eastman, Eugene Samuel, M.D. (*Boston Univ. Sch. of Medicine*) 1904, *Boston.*
- Fenner, Erasmus Darwin, A.B. (*Tulane Univ.*) 1888, M.D. (*ibid.*) 1892, *New Orleans, La.*
- Fischel, Ellis, A.B. 1904, *St. Louis, Mo.*
- Fitz, Reginald, A.B. 1906, *Boston.*
- Flemming, Theodore Ernest, M.D. (*Univ. of Buffalo*) 1907, *Buffalo, N. Y.*
- Flippin, James Carroll, M.D. (*Univ. of Virginia*) 1901, *Charlottesville, Va.*
- Ford, Léonard Harris, S.B. (*Univ. of Maine*) 1899, M.D. (*Bowdoin Med. Sch.*) 1906, *E. Eddington, Me.*
- Gately, Mary Agatha Murray, *Boston.*
- Ghoreyeb, Albert Wood, A.B. (*Syrian Protestant Coll.*) 1904, *Jaffa, Syria.*
- Goodrich, Judd, M.D. (*Univ. of Minnesota*) 1895, *St. Paul, Minn.*
- Gray, John Eugene, M.D. (*Bowdoin Med. Sch.*) 1896, *Brunswick, Me.*
- Greeley, Hugh Payne, A.B. 1906, *Cambridge.*
- Greene, John Adolph, A.B. (*Bowdoin Coll.*) 1903, *Rumford Falls, Me.*
- Hale, Edith, A.B. (*Radcliffe Coll.*) 1901, M.D. (*Johns Hopkins Med. Sch.*) 1905, *Boston.*
- Hall, Annie Bartram, M.D. (*Woman's Med. Coll. of Pennsylvania*) 1891, *Philadelphia, Pa.*
- Halpin, Andrew James, M.D. 1889, *Lowell.*
- Hamilton, Samuel, Jr., A.B. (*Princeton Univ.*) 1901, M.D. (*Hahnemann Med. Coll. of Pennsylvania*) 1905, *Pittsburg, Pa.*
- Hammond, Charles, M.D. (*Yale Med. Sch.*) 1904, *Hanover.*
- Hamner, George Pinkard, M.D. (*Univ. of Virginia*) 1903, *Schuyler, Va.*
- Hansel, Charles Emil, M.D. (*Coll. of Phys. and Surg., Chicago*) 1897, *So. Bend, Ind.*
- Hanske, Edward Albert, M.D. (*Louisville Med. Coll.*) 1901, *Bellevue, Ia.*
- Harris, Alexander Everett, M.D. (*Jefferson Med. Coll.*) 1901, *Little Rock, Ark.*
- Hartshorne, Isaac, A.B. (*Amherst Coll.*) 1904, *Methuen.*
- Haskell, Charles Cheves, A.B. (*Univ. of Virginia*) 1905, *Columbia, S. C.*

- Hasty, Willis LeRoy,
 Hatch, Royal, A.B. (*Dartmouth Coll.*) 1900, M.D.
 (*Harvard Med. Sch.*) 1904,
 Hazen, Cyrus Hamilton, M.D. (*Baltimore Med.
 Coll.*) 1901,
 Heckscher, Richard Maurice,
 Heitzman, Charles William, M.D. (*Tulane Med.
 Sch.*) 1899,
 Henderson George Dallas, M.D. (*Western Reserve
 Univ. Med. Sch.*) 1900,
 Hinds, Robert Watson, A.B. 1905,
 Hudnut, Paul Albert, M.D. 1898,
 Hunt, Harold Otis,
 Hurley, Daniel Joseph, A.B. 1905,
 Ish, George William Stanley, A.B. (*Yale Univ.*)
 1905,
 Johnson, John Jefferson, M.D. (*Marion-Sims Coll.
 of Med.*) 1896,
 Jordan, William Henry, M.D. (*Maryland Med.
 Coll.*) 1901,
 Kellie, Kenneth Alloa Harrison, M.R.C.S. (*Eng.*),
 L.R.C.P. (*London*) 1903, B.C. (*Cambridge, Eng.*)
 1904, M.B. (*ibid.*) 1905,
 Keough, Matthew Joseph, M.D. (*Albany Med.
 Coll.*) 1905,
 Knowles, Robert Kenelborough Black, A.B. (*Acadia
 Coll.*) 1897, M.D. (*Harvard Med. Sch.*) 1902,
 Kraemer, Edward Henry, M.D. (*Univ. of Buffalo*)
 1907,
 Lamson, Paul Dudley, A.B. 1905,
 Laroche, Joseph Raoul, M.D. (*Laval Univ.,
 Quebec*) 1907,
 Lathrop, Ruth Webster, A.B. (*Wellesley Coll.*)
 1883, M.D. (*Woman's Med. Coll. of Pennsyl-
 vania*) 1891,
 Law, William Lamar, M.D. (*Tulane Med. Sch.*)
 1894,
 Lawson, Stuart Johnston, M.D. (*Univ. of Vir-
 ginia*) 1905,
 Litterer, William, A.M. (*Vanderbilt Univ.*) 1900,
 M.D. (*ibid.*) 1902,
 Lowney, John Francis, M.D. (*Tufts Med. Sch.*)
 1900,
- Thorndike, Me.*
Boston.
E. Corinth, Vt.
Philadelphia, Pa.
Muskogee, I. T.
Holyoke.
Allston.
Wellesley.
Newtonville.
Charlestown.
Little Rock, Ark.
Harrison, Ark.
Providence, R. I.
London, Eng.
Cohoes, N. Y.
Gloucester.
Buffalo, N. Y.
Worcester.
Manchester, N. H.
Philadelphia, Pa.
Montgomery, Ala.
Wellesley Hills.
Nashville, Tenn.
Fall River.

- Lull, Cabot, Jr., M.D. (*Univ. of Michigan*),
 Lung, George Augustus, A.M. (*Univ. of Rochester*)
 1889, M.D. (*Univ. of Pennsylvania*) 1886,
 McCafferty, John Aloysius, A.B. (*Manhattan Coll.*)
 1895, M.D. (*Columbia Univ.*) 1899,
 McDermott, William Vincent, M.D. 1896,
 Mack, John Alexander, M.D. (*Univ. of Vermont*)
 1895,
 McKee, George Joseph, M.D. 1906,
 MacMichael, Earl Haggett, A.B. (*Bowdoin Coll.*)
 1907,
 MacMillan, Andrew Louis, Jr., A.B. (*Dartmouth*
Coll.) 1905,
 Macomber, Donald, A.B. 1906,
 McPherson, William Ellsworth, M.D. 1891,
 Mahoney, Stephen Andrew, A.B. (*Holy Cross*
Coll.) 1885,
 Manchester, Ward Beecher, M.D. (*Univ. of*
Buffalo) 1907,
 Manning, Isaac Hall, M.D. (*Long Island Coll.*
Hosp.) 1897,
 Manton, Walter Williamson,
 Marston, Henry Edward, A.B. (*Bowdoin Coll.*)
 1899,
 Martin, David Lorenzo, A.B. (*Grove City Coll.*,
Pa.) 1897, S.T.B. (*Boston Univ.*) 1900, PH.D.
 (*ibid.*) 1902,
 Mason, Elizabeth Spaulding, A.B. (*Smith Coll.*)
 1887,
 Meader, Isabel, M.D. (*Woman's Hosp. Med. Coll.*,
Chicago) 1887,
 Mendenhall, Jean Clements, M.D. (*Drake Univ.*
Coll. of Med.) 1907,
 Mendenhall, Walter Leslie, M.D. (*Drake Univ.*
Coll. of Med.) 1906,
 Merrill, Charles Henry, A.B. (*Dartmouth Coll.*)
 1901, M.D. (*Harvard Med. Sch.*) 1905,
 Michie, Henry Clay, Jr., S.B. (*Virginia Polytech-*
nic Inst.) 1903, M.D. (*Univ. of Virginia*) 1907,
 Mitchell, Frederick William, M.D. (*Baltimore*
Med. Coll.) 1898,
 Montague, Charles Elbert, A.B. (*Williams Coll.*)
 1891, M.D. (*Boston Univ. Sch. of Med.*) 1896,
 Wetumpka, Ala.
 Washington, D.C.
 New York, N.Y.
 Salem.
 Crompton, R.I.
 Allegheny, Pa.
 E. Boston.
 Hanover.
 W. Newton.
 Somerville.
 Holyoke.
 Batavia, N.Y.
 Chapel Hill, N.C.
 Detroit, Mich.
 No. Anson, Me.
 Boston.
 Northampton.
 Watertown, N.Y.
 Des Moines, Ia.
 Des Moines, Ia.
 Kennebunkport, Me.
 Charlottesville, Va.
 Houlton, Me.
 Wakefield.

- Mooney, Robert Copeland,
 Mullin, Seth Smith,
 Murdock, Frederick William, M.D. 1899,
 Nelson, Christian Augustus, A.B. (*Brown Univ.*)
 1903,
 O'Connor, John Christopher, S.B. (*Dartmouth Coll.*) 1902, M.D. (*ibid.*) 1905,
 Ogden, William Edward,
 Ohneserg, Karl, M.D. (*Univ. of Penn.*) 1895,
 Otto, Jacob S., A.B. (*Princeton Univ.*) 1895, M.D.
 (*Univ. of Buffalo*) 1898,
 Parker, James Donaldson, A.M. (*Upper Iowa Univ.*), M.D. (*Univ. of Michigan*),
 Parker, Willard Stephen, A.B. 1906,
 Parsons, Hauston Haddon, M.D. (*Univ. of Virginia*) 1907,
 Peck, Martin William, S.B. (*Dartmouth Coll.*)
 1902,
 Pemberton, Frank Arthur, S.B. 1906,
 Pierce, Glenn McKillips, B.P. (*Westminster Coll.*)
 1906,
 Piper, Arthur Lewis, M.D. (*Univ. of Buffalo*)
 1907,
 Potter, John Garfield,
 Potter, Peter, S.B. (*Missouri Univ.*) 1901, M.D.
 (*ibid.*) 1903,
 Potter, Philip Sheridan, A.B. (*Yale Univ.*) 1899,
 M.D. (*Columbia Univ.*) 1903,
 Price, Killian Adolphus, M.D. (*Univ. of Virginia*)
 1907,
 Rankin, Robert McClelland, M.D. (*Ohio Med. Coll.*)
 1890,
 Regan, Frank Albert,
 Reid, William Duncan, A.B. 1906,
 Rice, Allan Gordon, A.B. (*Toronto Univ.*) 1906,
 Rice, John Evarts, A.B. (*Boston Univ.*) 1903,
 M.D. (*Harvard Med. Sch.*) 1907,
 Richardson, Henry Stephen, A.B. (*Amherst Coll.*)
 1904,
 Rolles, James Alfred, M.D. (*Toronto Univ. Med. Sch.*) 1896,
 Rounseville, Wilfred Ellsworth, S.B. (*Amherst Coll.*) 1905,
- Gloversville, N. Y.*
Vinalhaven, Me.
Brockton.
Quincy.
Salem.
Toronto, Can.
Washington, D. C.
Buffalo, N. Y.
Fayette, Ia.
Piqua, O.
Missoula, Mont.
Lynn.
Auburndale.
W. Elizabeth, Pa.
Buffalo, N. Y.
Providence, R. I.
St. Louis, Mo.
North Adams.
Hickory, N. C.
Covington, Ky.
Boston.
Newton.
Toronto Junction, Can.
Worcester.
Franklin.
Chatham, Can.
Attleboro.

- Sargent, Oscar Franklyn Libby, M.D. (*Boston Univ. Sch. of Med.*) 1902, *Haverhill.*
- Sawyer, Edmund Houghton, S.B. (*Univ. of California*) 1904, *Riverside, Cal.*
- Scott, Francis Joseph, M.D. (*Albany Med. Coll.*), *Cohoes, N. Y.*
- Seilheimer, Frederick, M.D. (*Albany Med. Coll.*) 1907, *Buffalo, N. Y.*
- Sherburne, Frederick William, *Boston.*
- Shurtz, Richard Elmer, M.D. (*Rush Med. Coll.*) 1897, *Champaign, Ill.*
- Sissa, Silvio, *E. Boston.*
- Smith, Charles Mason, A.B. (*Fredericksburg Coll.*) 1903, M.D. (*Univ. of Virginia*) 1907, *Fredericksburg, Va.*
- Soule, William Lamson, A.B. (*Colby Coll.*) 1890, M.D. (*Boston Univ. Sch. of Med.*) 1896, *Lynn.*
- Sproull, John, M.D. (*Boston Univ. Sch. of Med.*) 1901, *Haverhill.*
- Stapies, Ivan, *Limerick, Me.*
- Steinharter, Edgar Clifford, S.B. (*Mass. Inst. of Tech.*) 1906, *Cincinnati, O.*
- Stewart, Ralph Carroll, A.B. (*Bowdoin Coll.*) 1905, *New Vineyard, Me.*
- Stone, George Henry, A.B. (*Bowdoin Coll.*) 1905, *Portland, Me.*
- Storck, Jacob Ambrose, PH.M. (*Tulane Univ.*) 1885, M.D. (*ibid.*) 1893, *New Orleans, La.*
- Stover, Arthur Reese, A.M. (*Baker Univ.*) 1890, M.D. (*Missouri Med. Coll.*) 1893, *Little Rock, Ark.*
- Stryker, Minnie, A.B. (*Mt. Holyoke Coll.*) 1894, M.D. (*Woman's Med. Coll. of Pennsylvania*) 1898, *Foochow, China.*
- Swaim, Loring Tiffany, A.B. 1905, *Cambridge.*
- Tenney, Albert Seward, A.B. (*Cornell Univ.*) 1905, *Cambridge.*
- Tenney, William Northend, M.D. 1895, *Canton.*
- Tilley, William Taft, M.D. (*Univ. of Vermont*) 1900, *Burlington, Vt.*
- Titus, Raymond Stanton, A.B. 1905, *No. Haverhill, N. H.*
- Torrey, Julia Maria, A.B. (*Boston Univ.*) 1888, *Baltimore, Md.*
- Trahan, Edward Onesiphore, A.M. (*Spring Hill Coll.*) 1895, M.D. (*Tulane Med. Sch.*) 1899, *New Orleans, La.*
- Usher, William Claude, A.M. (*Queen's Univ.*) 1905, *Wicklów, Can.*
- Van Duyn, Edward Seguin, S.B. (*Princeton Univ.*) 1894, M.D. (*Syracuse Univ. Coll. of Med.*) 1897, *Syracuse, N. Y.*
- Viger, Joseph Avila, M.D. (*Laval Univ., Montreal*) 1895, *St. Eugene of Grantham, Can.*

- Wade, Ethel Marion, A.B. (*Trinity Univ., Toronto*) 1904, *Hamilton, Can.*
- Walker, Edwin, M.D. (*Evansville Med. Coll.*) 1874, *Evansville, Ind.*
M.D. (*Univ. of New York City*) 1879, *St. George, Utah.*
- Walker, Joseph, *St. George, Utah.*
- Wasson, Hilliard John, M.D.C.M. (*McGill Univ.*)
1892, *Victoria, B. C.*
- Wayne, James Robert, Jr., M.D. (*Little Rock Coll. of Phys. and Surg.*) 1907, *Little Rock, Ark.*
- Weaver, Harry Vernon, M.D. (*Boston Univ. Sch. of Med.*) 1893, *Springfield.*
- Webster, Harrison Briggs, A.B. 1905, *Cohasset.*
- Welch, Francis Joseph, A.B. (*Bowdoin Coll.*) 1903, *Portland, Me.*
M.D. (*ibid.*) 1906, *Burlington, Vt.*
- Wells, Charles Edward, *Burlington, Vt.*
- Whitney, George Burgess, A.B. (*Bowdoin Coll.*)-
1904, *Marlboro.*
- Williams, Carl Alonzo, D.D.S. (*New York Coll. of Dentistry*) 1892, M.D. (*Hahnemann Med. Coll. of Pennsylvania*) 1895, *New London, Conn.*
- Willis, Byrd Charles, Jr. *Alexandria, Va.*
- Wilson, Walter John, M.D. (*Detroit Coll. of Med.*)
1897, *Detroit, Mich.*
- Wilson, William Lewis, A.B. (*Univ. of Rochester*)
1900, M.D. (*New York Homeo. Med. Coll.*) 1904, *Niagara Falls, N. Y.*
- Witt, William Henry, A.B. (*Vanderbilt Univ.*)
1887, M.D. (*ibid.*) 1894, *Nashville, Tenn.*
- Young, Edward Lorraine, Jr., A.B. 1906, *No. Hanover.*







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WESBY

